

62

Ca

Succulent

1958

Parade

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RUBY EASTERLILY CACTUS

Echinopsis kermessina

This lovely free flowering plant is a very fine new introduction. The flowers are large, 6" to 7" long, 3" to 4" across of a very intense ruby red. It flowers in early spring over a period of some two months or more. A vigorous grower with strong root system it likes a rich porous soil and when growing a good supply of water. Give it a sunny location. Plant may reach 6" in diameter. Small plants **75c.** 2 1/4"-2 1/2" **\$2.** Nice 3 year old 1 1/2"-2" **\$1.50**



SCARLET BALL CACTUS

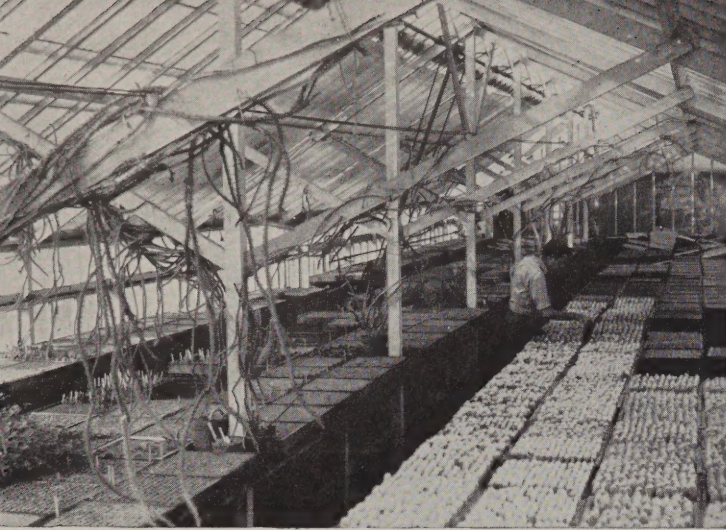
Notocactus haselbergii

This handsome and scarce cactus is seldom seen in collections. A plant very easy to grow and flower. In early spring the spectacular crown of scarlet flowers makes its appearance lasting for weeks. On mature plants I have counted 40 blossoms. The short bristle-like glassy white spines are harmless. A rich porous soil, moderate watering and sunny or partly sunny location suit it. Native to southern Brazil. Small plants **50c.** Large 2"-2 1/2" specimens **\$2.** Nice 3 year old 1 1/2"-2" flowering specimens **\$1**

JOHNSON CACTUS GARDENS

Nurseries at Paramount, California





VIEW IN SEEDLING GREENHOUSE

Young cacti and succulents from the time the seed is sown until they are ready for their first transplanting require far more moisture and care than at any other time during their lives. After the seed is germinated it is brought into this drier house and when ready is transplanted into boxes called "flats" which you see on the benches.

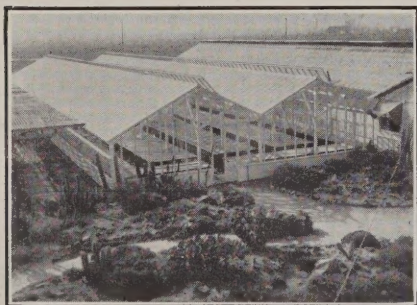
1876 ~ 1958

MITH this catalog we inaugurate our 82nd year in the nursery business. To our many patrons throughout the world we gratefully extend our thanks for their support. The harvest of letters from distant friends certainly is one of the most satisfactory features of having a hobby for a hobby is a common denominator and knows no barriers of space or creed.

In America as well as throughout the world there is a lusty and growing interest in Succulents and Cacti. In the scientific world many expeditions have been sent out to study the plants in their native surroundings and several hundred new species have been described and thus added to fancier's collections and let's be frank, perplexities! As I write, three separate American groups are in the field in Central and South America.

In California far greater use is being made of desert plants in landscape design and plantings. The old rock pile that used to represent a cactus rock garden is gone, peace go with it, and a sensible blending and use is being made of the vast array of material available.

This year our catalog lists more plants in larger sizes which represent specimens three to five years of age. Discerning fanciers know that such plants are at or near flowering size, a great advantage. Also a great many more plants are listed though not as fully described. Every collector should have reference books at hand to turn to when further details are wanted about a plant.



GROWING HOUSES

We invite our patrons to visit our nurseries whenever they are near Los Angeles. Much of interest will be found to plant enthusiasts as we have a very large collection of aquatic plants, several acres, as well as hot house foliage plants, etc. The Cactus and Succulent fancier will find hundreds of rare items not listed in current catalogs as well as many new hybrid groups.



SPECIMEN GARDENS AND LATHHOUSE

Specimen gardens are maintained for some of the larger cerei and other cacti and succulents. From them we learn more about minimum temperature requirements and they serve also as sources of seed and propagating material. Three large lath or shade houses provide shelter for some of the succulents as well as the Orchid Cacti and other epiphytic kinds. Most of the smaller cacti are to be found in our raised cold frames where they are kept clean and fresh.

HOW TO REACH OUR NURSERIES

You are cordially invited to visit our nurseries every day including Sundays from 9:00 A.M. to 5 P.M. Specimen plants and many rare or new species not included in our current catalogs are to be seen. Also there are collections of Water Lilies, pool, bog and aquarium plants as well as hot house foliage plants on display.

Paramount is 20 miles from City Hall, Los Angeles. It can be reached by auto via Santa Ana Freeway to Paramount take-off then 6 miles south to Jackson St., stop signal, 4 blocks right (west) to Garfield Ave., 1 block south to nursery.

Also by way of Route 14 from Sepulveda Blvd., to Cherry Ave., Long Beach then 5 blocks north on Cherry to nursery.

TERMS

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50c packing and postage charge on all orders of **less than \$2.50**, **10% postage charge** on all orders of **\$2.50 to \$5.00**. Thus add 30c to a \$3 order. This is generally only a part of postage costs.

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No. C.O.D. orders.

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For complete shipping details see page 18.



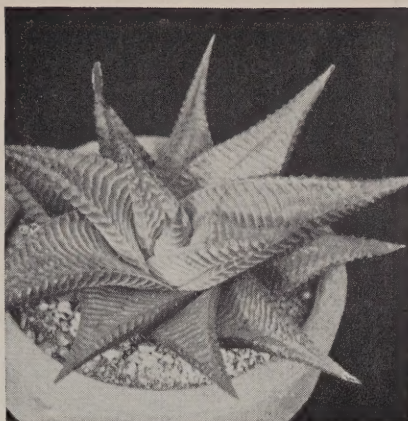
OUR CACTUS EXHIBIT AT INTERNATIONAL FLOWER SHOW

A part of our exhibit in the International Flower Show. For those who are interested in the plants exhibited. At upper left the Peruvian Apple Cactus, *Agave ingens* var *picta*, *Cereus dayamii*, *Aloe dichotoma*, *Cephalocereus palmeri*. Bottom left: *Pseudoespostoa melanostele*, *Cephalocereus senilis*. Middle center: *Cleistocactus hyalacanthus*, *Espositoa lanata*, *Echinocactus grusonii*. Bottom center: *Mamillaria elongata*, *Euphorbia caput medusae*. Right side various *Echeverias* and *Dudleya brittonii*. Not shown in the picture were mass plantings of various colored leaved succulents and groups of various odd or curious succulents and cacti.

New or Rare SUCCULENTS

The variety among succulents is legion. There are so many interesting groups to choose from and each of these groups has many curious, bizarre or beautiful species and varieties. Many succulents are very well known such as Hen and Chickens, others are known only to fanciers while others are so rare that they are found only in a few collections on earth.

This year we are able to offer quite a few rather scarce items which should prove of interest to collectors. On this page are a number of attractive plants seldom offered or quite new. Throughout the catalog are others which fanciers will recognize. A great many new plants have been received recently. Quite a number of these are really worthwhile but are still not plentiful enough to offer our many friends. Among them are several *Ceropegias* with striking flowers; *Adenium* with large pink blossoms; *Crassulas*; *Anacampseros*; *Adromischus* and many others.



FAIRY WASHBOARD

A scarce plant, *Haworthia limifolia*, is also a very pretty one. It grows very slowly and is seldom seen in collections. Like all *Haworthias* it likes a very open soil as the roots are rather more succulent than most plants.
Nice. Each..... **\$1**



ELKHORN EUPHORBIA

One of the best of the crested plants, *Euphorbia lactea cristata*, makes a handsome specimen. It is of slow growth usually but when given a rich open soil, plenty of warmth and sunlight it grows rather rapidly. The plant is deep green with silvery markings and grows upright but with many convolutions. I have only good sized plants to offer those with fine, multiple fans. Large 5"-6" fans \$3. Large 4"-5" fans..... **\$2**



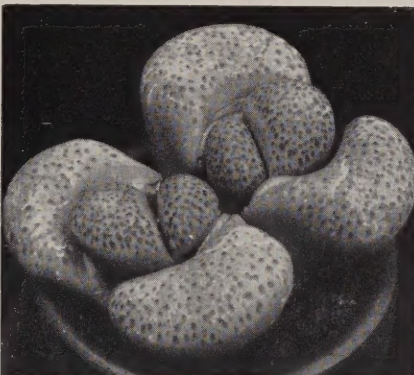
WOOLLY STARLETS

An odd prettily marked plant, *Stapelia dummeri*, has odorless, pale yellow, very woolly flowers. It differs from most other *Stapelias* by bearing its blossoms at the top of the stems. The red splashed stems grow fast during the heat of summer.
Each..... **60c**



CRASSULA MOONGLOW

Several hybrid *Crassulas* have appeared recently and this is one of the best. It grows freely and can make a plant quite a bit larger than *C. cornuta* which it somewhat resembles. We think you will like it. Will do well with some shade. Each..... **50c**



LITHOPS PEERSII

The *Lithops* or Stone Faces continue to be favorites with many because of their odd habit of mimicking the stones among which they naturally grow. This one looks like a fine grained granite. The dots are windows to allow light to enter.
Each 2 years old..... **40c**

LITHOPS FLORIS ALBUS

A brightly colored species reddish suffused with brown with pencilled markings on top of the flat, connate pairs of leaves. Flowers in October.
2 years each..... **35c**



BARRED EUPHORBIA

This prettily lined species has long been a favorite. *Euphorbia lophogona* formerly known as *E. fournieri* grows rapidly and likes a rich soil and not too sunny a location. It may grow to 12 in., the stems angled with a curious fringed appearance. It branches freely and often seeds itself spontaneously, the seedlings being very bright.
Nice plants. Each..... **90c**



EDITHCOLEA GRANDIS

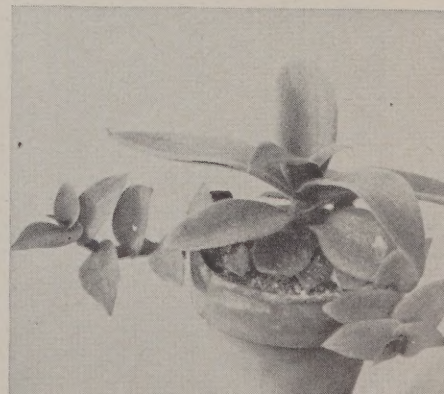
One of the rarest and prettiest of the odorless *Starfish* Flowers. It is quite different in the way it grows from all other *Stapeliads* being much branched above, the green prickly stems tinged purple. The lovely blossoms 3 1/2" in diameter are borne in summer. They are the warm rich reds of a fine Ispahan Persian rug the petals margined by vibratile hairs. It likes a very open but rich soil with very moderate waterings. A warm moist atmosphere during summer seems to suit it well.
Each..... **\$2**

STAPELIA GETTLEFII

A handsome species with 4"-5" reddish brown flowers barred with yellow, the petals margined with purplish vibratile hairs. A very pretty plant. Flowers during the summer. Nice plants..... **\$1**

FLAME PUSSY EARS

A new plant just introduced to American gardens, *Cyanotis kewensis* belongs near the *Tradescantias*. A nice addition to trailing or partly climbing windows plants. Leaves are deep olive green above and somewhat hairy; beneath they are wine red. The rosette is 3" to 4" across and bears creeping stolon-like branches from the base. Flowers are rose colored. From Malabar. Easily grown. Likes a moist, open compost and part shade.
Each..... **75c**

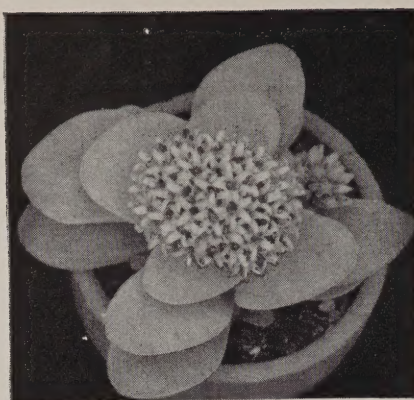




PLOVER EGGS

A fascinating succulent with thick, cylindric leaves silvery green, marbled maroon. *Adromischus festivus* likes a porous soil with leaf-mold or peatmoss and sand. Give it an airy, sunny or part sunny location to bring out the colors. Each.....

50c



MORGAN'S PINK CRASSULA

A pretty plant with white leaves bearing a tight cluster of rose pink blossoms that last a long time. Likes a light position and an open or spongy compost with moderate watering. An easy plant to grow and flower. Nice flowering size.....

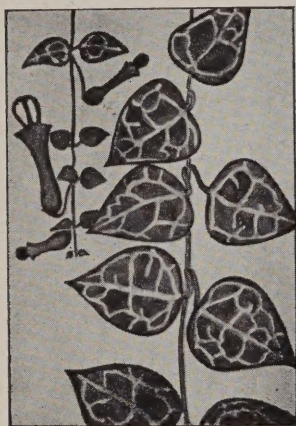
75c



WART PLANT

An all time favorite, *Haworthia attenuata* is deservedly popular because of its attractiveness and easy culture. The warts on the leaves are much whiter than shown. Beautiful rosettes, eventually forming clusters. Sandy loam with peat or leafmold which their roots can easily penetrate, partial shade, and moderate water.....

50c



UMBRELLA FLOWER

A companion species to Heart Vine. *Ceropegia barkleyi* has narrower leaves. Each leaf is marked with silver tracing. Equally attractive are its light colored flowers about 3/4" long with just the tips of the petals joined to form an umbrella. Happiest in sandy loam with moderate watering and partial shade. Potted.....

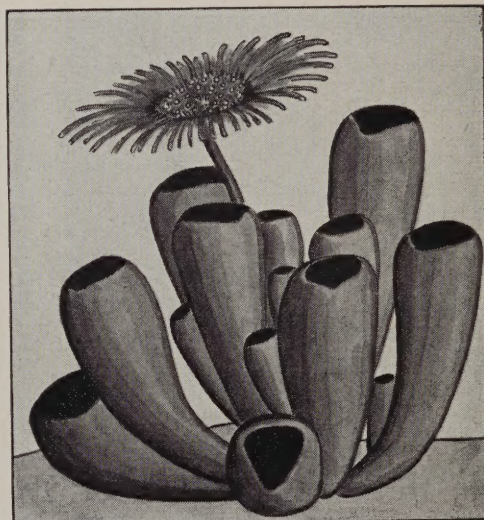
40c



SILVER CROWN

Lovely pink bells in summer and fan shaped leaves with crinkled margins describe *Cotyledon undulata*. The leaves are covered with white powder. Pot in sandy or porous loam, watering moderately. Light, airy position.....

40c



BABY TOES

An odd "window plant" with daisy-like white flowers in fall. The tip of each leaf of *Fenestraria rhopalophylla* is formed by a translucent window. In the wilds they are buried to the tips in sand. Real curiosities and a source of unending interest. Simple cultural directions enclosed with each plant. Full sun. Potted blooming size each.....

50c

CEROPEGIA

May be grown on a small trellis or stake as they are often twining. Like a rich porous soil moderate to generous watering, sunny location.

Ceropegia cafrorum. Each.....

40c

C. debilis. Narrow leaves.....

40c

C. haygarthii. Red and white flowers. Climber.....

75c

C. radicans. Large white and chocolate flowers tipped bright green. Creeper.....

75c

C. sandersonii. Large white flowers like parachutes the top spotted green. Tall climber. Pretty, unusual.....

75c

C. radicans x sandersonii. Hybrid.....

75c

C. stapeliiformis. Odd white flowers.....

75c

HESPERALOE

Hesperaloe parviflora is a yucca-like plant with long, rather slender leaves the margins with curling white threads. It forms a vague rosette and eventually a stemless cluster. The bell-shaped, rosy red blossoms are an inch long, 3/4" wide borne on 6' graceful wandlike stems. Each flower panicle blossoms all summer producing scores of bells. 3 year old, each.....

\$1



STAR CACTUS

Golden spines, body spotted white. Bright yellow blossoms. Choice.....

40c



STONE FACE

Closely resembling stones. Lithops are beautifully marked. Rare. Small.....

35c



OX TONGUE

Spotted leaves like huge tongues. Tall spikes of pink blossoms.....

35c



AIR PLANT

Young plantlets borne at the leaf tips! Handsome orange blossoms.....

35c



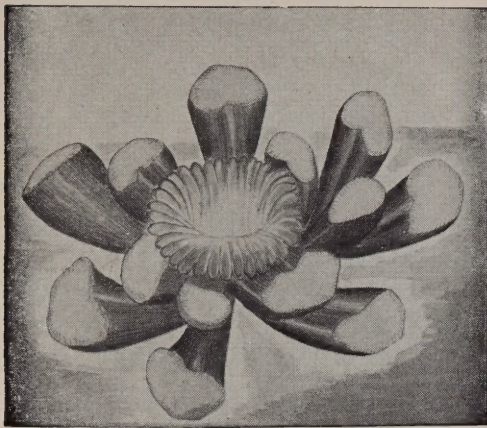
DUMPLING CACTUS

Blossoms when young. Dumpling is fine for bowls. Each.....

35c

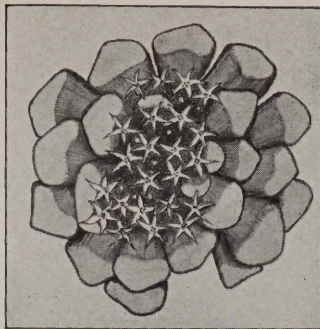
BOWL COLLECTION F1. FIVE LOVELY PLANTS FOR A DISH GARDEN.....

\$1.40



PURPLE BABY TOES

A lovely easily grown small "window plant" flowers from spring until fall. The leaves are round, short and flat-topped the tips formed by translucent pale green widows. *Frithia pulchra* is similar in habit to Baby Toes. A very interesting South African succulent that should be in every collection. A light but not too sunny location. Porous soil, moderate watering. **75c**
Flowering size potted.....



FOAM FLOWER

Pretty rosettes of blue-white leaves, each leaf triangular and flattened at the tips so that the whole plant is flat with the soil surface. A rare mimicry plant from S. Africa. *Crassula mesembrianthemopsis* is easily grown. A tight cluster of white flowers appears in November. Give a sunny position and an open or sandy soil. Easily grown..... **50c**

CRASSULA SCHMIDTII. Short stalks of bright rose-pink flowers in Oct.-Nov. Plant forms tight clusters of narrow leaves **40c**



HAIRY STARFISH

Lovely bright desert stars. *Stapelia hirsuta* is a fascinating succulent for the window garden flowering the first year. Give it a sunny or partly shady location. Likes a porous soil. Grows during hot weather when it can take more water. Keep on dry side in winter. **50c**
Potted plants 60c and.....



SCARLET PAINT BRUSH

Brilliant red flower clusters 6" across in September and lasting a month. *Roechea falcata* is always attractive with its grey white paired leaves. Give generous treatment and a sunny location..... **40c**



STARFISH FLOWER

The commonest of the Stapelias. *Stapelia variegata* is one of the easiest to grow and flowers throughout the hot summer. Flowers mottled with brown. A rich porous soil watering moderately to generously during hot weather. **40c**
Winter on dry side. Each.....



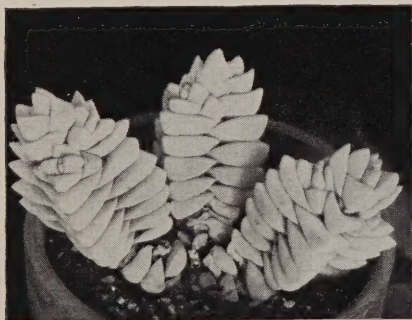
MEXICAN FIRECRACKER

This charming *Echeveria* likes cool weather and should be planted only in spring or fall. The leaves are covered with plush-like white hair. Brilliant red and yellow blossoms in spring..... **40c**



SPLIT ROCK

Imitating the rocks amongst which it grows, *Pleiospilos nellii* is one of the strangest African mimicry plants. It may grow to 3" in diameter with bright yellow-red blossoms in spring. Sunny windows, fresh air, sandy open soil. Easily grown. Small **35c**. Flowering size specimens..... **50c**



CRASSULA CORNUTA

In this curious S. African succulent the firm sheer white leaves are so closely packed they completely hide the stem. Peculiarly, the leaf arrangement forms a square pattern. Does best near a sunny window with ample air circulation and a light porous soil..... **80c**

CRASSULA JUSTI-CORDEROVI. Small cluster forming plant with narrow dark leaves. Short clusters of rose pink flowers appear in Oct..... **40c**

CRASSULA CORYMBULOSA. Pale green leaves turning dark red in full sun. Tall spikes of pale flowers. Excellent as a pot plant or in rock garden plantings in frost free areas..... **40c**



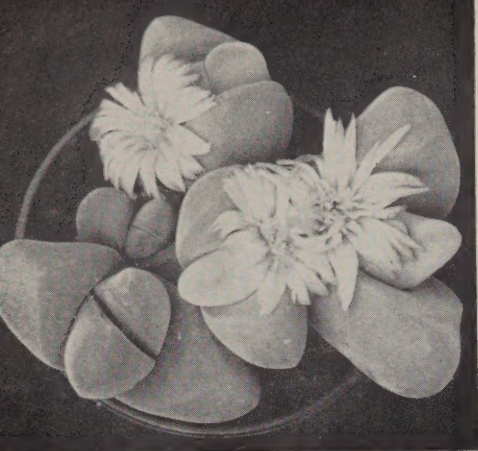
OAK LEAF

A handsome form of *Kalanchoe beharensis* with deeply cut leaf margins. As with other forms of this species, the leaves are soft and plush like, the upper surface chestnut brown and the under surface silver. A magnificent landscape plant in frost free areas and a perfect pot plant in indoor plantings..... **\$1**

SILVER VELVET LEAF. A form of *K. beharensis* with beautiful silver leaves. Exquisite in planters as a contrast plant..... **\$1**

PAINTED LADY
Pretty rosettes of gray-green, each leaf powdered and tipped with red. Quickly forms clusters of babies and in summer flowers profusely with lovely orange bells as the picture shows. *Echeveria derenbergii* does well in a sandy soil with moderate watering and plenty of ventilation. The colors are brightest in a sandy soil. Each..... **40c**





GIBBAEUM DISPAR

Plump, greyish green leaves clothed with fine velvety hairs and, in autumn, petite daisy-like flowers of lilac-rose characterize this fine Gibbaeum. Like many of the South African "Mesembiums," a light mixture of washed sand and peat or leafmold with only a little loam is preferable. Rest during the summer months and give slightly more water in spring and fall. Each.....

75c



ARAB'S TURBAN

Curiously charming, Crassula hemisphaerica shingles its dark green leaves to form a small pile. Each leaf is fringed with short white bristles. Grows easily, its slender fibrous roots enjoying a sandy or spongy soil with peatmoss or leafmold and moderate watering. Very bright but shady position.....

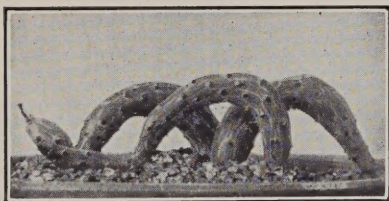
35c



ECHEVERIA GILVA HYBRIDS

Lovely pale green rosettes of cupped leaves tinged with red in winter. In sandy more sterile soil the leaves tend to color brighter. With age the plants form clusters. Does well in full sun or part shade. Tall spikes of pink flowers in spring.....

40c



INCH WORM

Animal or vegetable! Catching root as the stem touches the soil, it loops up and over as though it were alive. Handsome mottled stem. Kleinia pendula prefers a sandy soil, moderate watering, and sun. Scarlet flowers.....

40c

KLEINIA

Members of the Sunflower family with aromatic leaves and stems, often glaucous blue. Small tassel-like flower heads.

KLEINIA REPENS. Bright blue leaves and stems. Fine pot plant or ground cover in frost free areas.....

40c

KLEINIA HERREIANUS. 'Gooseberry Kleinia'. A creeping plant with fat berry like leaves with longitudinal translucent windows.....

50c

K. articulata. 'Candlestick Plant'. Round, smooth stems, jointed and when leafless looking like candles.....

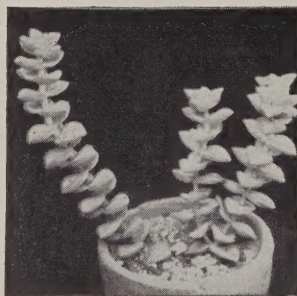
40c



BURRO TAIL

Sedum morganianum makes a handsome trailing plant the stems with age reaching 3 feet in length. To make a full basket use 3 plants. A rich porous soil and a bright airy situation. Generous watering. 3 for \$1. Each.....

40c



BEAD VINE

Bright green strings of leaves and large heads of pink flowers. Crassula rupestris is a graceful vine-like plant for a pot. Similar to Necklace Vine. Likes a sunny or partly shady location and moderate watering. 2 for.....

35c

JOHNSON'S JUNGLE MIX

A compost for all succulent plants. per bag 120 cubic in. (with orders).....

6 quart box. Post free.....

\$2.00



KALANCHOE

Leafy succulents of easy culture. Often with attractively colored leaves or bright flowers. Light potting soils and plenty of sunlight assures best coloring.

Kalanchoe Tom Thumb. A pretty dwarf never more than 3"-4" tall with dark green foliage and clusters of bright crimson flowers. An excellent pot plant.....

50c

K. Gold Dust. As above with tall clusters of bright yellow flowers often fragrant.....

50c

K. Crimson Kalanchoe......

40c

K. Brilliant Star. Bright crimson flowers.....

50c

K. marmorata. 'Penwiper Plant'. Broad silver grey leaves with purple splotches.....

50c

K. gastonis bonnierii. Magnificent panicles of large papery red bells surmount the stems at flowering. 2 to 3 feet tall. Small.....

\$1

K. Kewensis. Narrow dark leaves and tall clusters of bright pink flowers.....

75c

At Left:

COCONUT PALMS

Houghton's Kalanchoe assumes the graceful pose of the wind-swept coconut palms of tropical beaches. A sunny situation and a sandy soil suits it best. 2 plants for.....

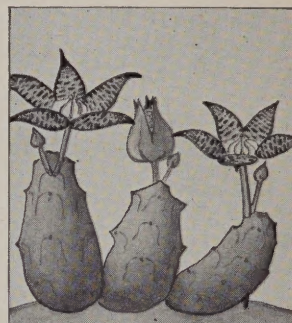
35c

At Right:

YELLOW STARLETS

A pretty dwarf plant Piaranthus pillansii is related to the Starfish Flowers with erect, star-like blossoms. Free flowering. Clusters.....

45c



K. millottii. A new species with silvery plush-like leaves and stems.....

75c

K. figureidol. Pretty, powdered white leaves.....

50c

K. aliciae 40c. **K. miniata** 40c. **K. fedtschenkoi** 40c. **K. prolifera** 50c. **K. dyeri** 50c. **K. obtusa** 50c. **K. crenata** 50c. **K. somaliense** 40c.

HOYA

Handsome vining plants with pink or white flowers in large clusters. Treatment as for African Violets.

Hoya bella. Lovely in hanging baskets or pots. Exquisite soft pink blossoms. Each.....

\$1

Hoya paxtonii. Similar to above.....

\$1

Hoya shephardii. Dark narrow leaves.....

\$1

H. imperialis. Tall vine. Pink.....

\$1.25

H. cinnamomifolia. Almost round leaves.....

\$1

H. keyssii. Pale green leaves.....

\$1



CRASSULA DECEPTRIX

Handsome white leaves as though carved from alabaster. A rare plant thriving in very sandy soil in a bright airy situation. Nice specimens.....

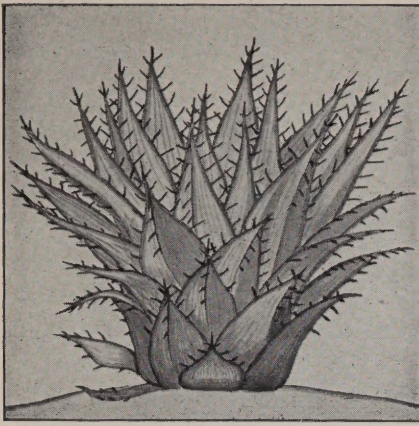
50c



CRASSULA HYBRID VELVET

Velvety silver-grey leaves rimmed red. The leaves are 4-ranked. A choice small variety. Each.....

40c



LACE HAWORTHIA

Haworthia setata forms a small rosette each leaf margined with tiny white teeth giving it a lacy effect and lined on the face with transparent longitudinal windows. Does well in a sandy compost or just clean sand and peatmoss. Moderate watering, partial shade. Nice. 3 year old plants.....

40c

HAWORTHIA

A large and varied group of succulents from S. Africa.

H. altissima	50c
H. batesiana	50c
H. bicarinata	50c
H. coarctata	50c
H. cymbiformis	50c
H. emilyae	75c
H. jansseniana	50c



HEART VINE

Ceropegia woodii or Rosary Vine has leaves prettily marbled with silver. The stems hang down in long trailing curtains to several feet often producing small tubers on the stems hence the name Rosary Vine. Likes generous treatment and grows well in shade not too dense. Potted tubers 3 for \$1. Each.....

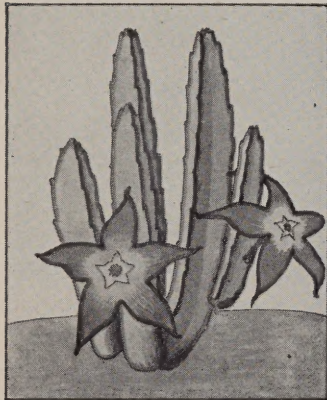
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PYRAMID CRASSULA

Crassula pyramidalis is a rare collector's plant with hard, tightly overlapping leaves forming almost square columns. With age they branch and in early fall produce heads of white, very fragrant, "shaving brush" flowers. They prefer a porous soil with some leafmold and a light, airy position. When soil is dry water moderately. Not difficult. Nice potted, 2" plants.....

75c



PINK STARFISH

Stapelia divaricata is a free flowering small species with pretty flesh-pink flowers an inch in diameter. Blooms in summer and fall. Pot in rich but porous soil, treat generously. Each.....

50c

ROYAL STARFISH

Stapelia nobilis is easy to grow and flower. May be grown in a 4" or 5" pot and produces its 6"-7" purple and yellow barred, hairy flowers during the summer.....

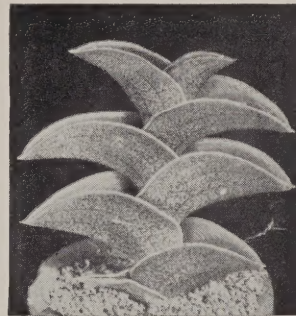
50c



JEWEL PLANT

A lovely small mimicry plant, Titanopsis calceareum, often becomes highly colored in winter. The jewel-like leaves are roughly pebbled. Winter blooming, the blossoms yellow. Likes a sunny window. Moderate watering. Flowering size.....

35c



CHAIN PLANT

Grows quickly in partial shade. Tradescantia navicularis has pretty pink flowers on trailing stems. Each.....

35c



KALANCHOE ORGYALIS

The upper surface of the leaves is covered with fine golden hairs the under silvery white. A pretty plant from Madagascar. Treat generously.....

75c

SNAKES HEAD EUPHORBIA

E. caput medusae is a handsome flowered species with bracts garnet red and white forming a cap tipping each arm. Single branch.....

75c



LITHOPS SUMMITATUM

A charming Stone Face, tan with dark brown mottled windows. Lovely snow-white blossoms in October. Use a quite sandy compost. 2 years old.....

35c

LITHOPS

The Stone Faces are beautiful, curious and interesting small succulents from S. Africa. They are "mimicry" plants as well as "window" plants and are often brightly colored. The plants are top shaped consisting of a pair of fat turgid leaves with flat tops which are spotted or lined with various colors. They closely resemble in color the soil or rocks among which they are found. They flower in the fall and grow slowly during the winter resting during June, July and August. 10 varieties may be planted together in a 5 inch pan.

Lithops alpina	35c	L. kuibiscensis	40c
L. aucampiae	35c	L. lericheana	40c
L. aurantiaca	40c	L. leslei	35c
L. bella	40c	L. lineata	75c
L. bromfieldii	40c	L. marthae	40c
L. dinteri	75c	L. mickbergensis	35c
L. edithae	40c	L. mundtii	40c
L. farinosa	50c	L. opalina	40c
L. floris-albus	35c	L. peersii	35c
L. fossilifera	35c	L. pulmonuncula	40c
L. franseriai	35c	L. salicola	35c
L. fullerii	50c	L. schwantesii	40c
L. fulviceps	40c	L. summitatum	35c
L. guliemii	35c	L. terricolor	75c
L. helmuthii	35c	L. triebneri	35c
L. inae	75c	L. turbiniformis	40c
L. inornata	40c	L. umdausensis	75c
L. insularis	35c	L. ursulae	35c
L. julii-reticulata	50c	L. venterii	40c
L. karasmontanum	35c	L. werneri	50c

COLLECTION F2

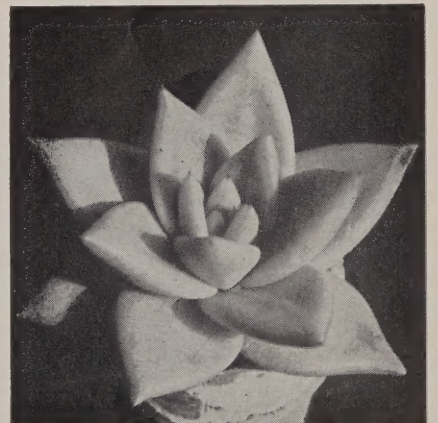
5 varieties unlabelled.....

\$1.35

COLLECTION F3

10 varieties unlabelled.....

\$2.50



GREEN JADE

Echeveria agavoides makes a fine specimen. The thick leaves are pale green, stiff as though carved from jade. The flower spikes in late spring have orange bells. Grows to 4" across. Each.....

40c



CHENILLE PLANT

Each leaf and stem clothed with soft velvety hairs, with every leaf margined in dark red. Colorful the year around, it is brightest during fall and winter months. Flowering in midwinter with large waxy bells of rich crimson, *Echeveria pulvinata* is one of our prettiest succulents. Sandy soil with leafmold, watering when dry. Likes a cool, light airy situation. Each.....

40c



PANDA PLANT

Kalanchoe tomentosa has velvet leaves the crenations of the upper part tipped with rich cocoa-colored markings. An easily grown, most attractive plant. Soon branching from the base it makes a fine pot specimen. Give it plenty of light and air and moderate watering. Each.....

35c



TRICOLORED JADE

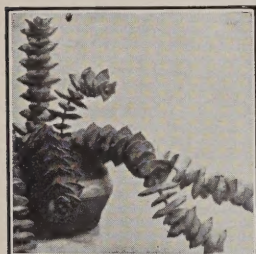
An ever popular succulent, easy to grow and highly colorful with its variegated leaves of green and ivory often tinged pink. Happy in almost any soil mixture—heavy to light, and adaptable to full sun or shade, although brightest in full sun. *Crassula argentea tricolor* makes a handsome pot plant. Each.....

35c

JOHNSON'S B1 TABLETS

Helps refractory plants to health by stimulating root growth. Per bottle of 75.....

75c



NECKLACE VINE

An old favorite. The pairs of leaves are joined so they appear to be like beads strung on a string. *Crassula perforata* likes sun or shade. 2 for.....

35c



STONE FACES

The Stone Faces are amongst the most curious and strange of all plants, for they imitate the pebbles among which they grow both in shape and coloration. They are also "window" plants. Some are white, others red, green or brown. They bear their bright blossoms in autumn. Sunny location. Each.....

35c



EUPHORBIA OBESA

A curious cactus-like South African succulent with globose body. Even more intriguing is the bearing of male and female flowers on different plants. Most happy in a porous, loam soil moderate watering and in sun or light position. A pair is needed for seeds. NICE PAIRS \$2.25. Single plants 1" to 1 1/4".....

75c



GIANT STAR FLOWER

Stapelia gigantea bears enormous flowers more than a foot in diameter! Easily flowered in a 4" or 5" pot. Clustering plants 6" tall. A rich porous soil, moderate waterings, full sun. Flowers during the summer. Plants that should flower each.....

60c



COBWEB PLANT

Kleinia tomentosa is a choice collector's item. The stems and leaves are pure white entirely clothed in a snowy, downy felt. Grows freely branching at the base. Sandy loam, sunny location. Moderate watering. 50c

50c

GIANT COBWEB PLANT

Kleinia tomentosa major is twice the size of the above species. Handsome.....

75c

KLEINIA FULGENS

Succulent roots and stems, leaves broad. A fine shrubby species with orange red flowers.....

75c



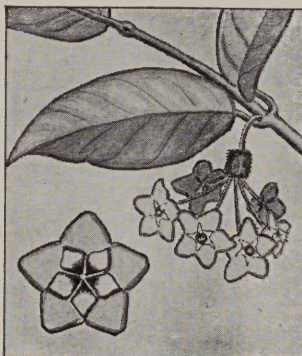
GOLD WORT

Aloinopsis schoonesii is a rare, slow growing plant for the collector. Flowers bright yellow. Roots thick, blunt. Sandy soil moderate water and some sun. Each.....

75c

Aloinopsis triebneri. A large plant with finely speckled leaves. Roots large, blunt. Flowers bright yellow. Each.....

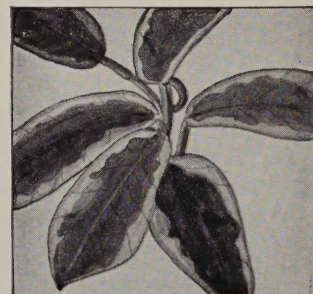
75c



WAX VINE

Hoya carnosa bears lovely, pink, waxy, blossoms in large clusters. These clusters should not be cut as they will produce flowers for years. The vine has bright green, shining, succulent leaves. A compost of leafmold, peatmoss and sand is best for them. Keep moist at all times. Partial shade. Vigorous plants.....

75c



TRICOLOR WAX VINE

A handsomely variegated form of *Hoya carnosa*. The leaves brightly margined with yellow, tinged with pink a highly decorative combination. Popular dish garden plants they grow well in shaded situations. The flowers of this form are much deeper pink than the species. Requires the same treatment. Each.....

75c

HOYA CARNOSA EXOTICA

More brightly colored than the normal variegated form. A very pretty plant. Each.....

80c

Hoya carnosa "Silver Sheen." Leaves mottled with silvery markings. Leaves narrower than *H. carnosa*. Each.....

75c



AFRICAN LIVING ROCK

A fine, easily grown Living Rock, *Pleiospilos simulans*; its grey-green leaves like shards of granite. Blossoms freely in fall. Thrives in sandy soil if watered only when dry. Full sun. Small 40c. Larger..... 50c



PEPPERMINT STICK

The brightly striped *Senecio gregori* is a fine addition to our succulents. It increases by underground stolons and grows quickly. The plants become tall, forming nice pots. Generous treatment. Each..... 60c

SENECIO SCAPOSUS

Rosettes of long cylindric leaves each covered with white woolly tomentum. Tall spikes of yellow daisy-like flowers. A rich porous soil very moderate watering part shade or full sun. Each..... 50c

AEONIUM NOBILE

A grand flowering plant. Large rosettes of thick, deep green, pebbled leaves. Immense pyramidal panicles of yellow blossoms. A very scarce plant for real fanciers. Rich porous soil, semi-sun. Nice, each..... \$2.50

ROCHEA COCCINEA

One of the most brilliant of flowering plants. Stems with 4-ranked leaves 6" to 12" tall branching from base. Each stem produces a 2"-3" cluster of brilliant carmine red blossoms. When well grown this is a superb plant. It likes a rich porous soil and thrives in a cool atmosphere. Moderate to generous waterings and a light airy location. Each..... 80c

ROCHEA FALX. 2-ranked falciform, grey green leaves on stems to 12" tall. Large 4"-6" corymbs of orange red flowers. Sunny location. Moderate waterings. Each..... 75c

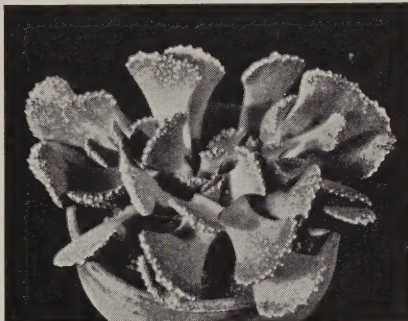


CHRIST THORN

Crown of Thorns or *Euphorbia splendens*. Everyone succeeds with it. In bloom from February to November. Likes a rich soil and generous waterings. In summer a little Cactus Food will keep it blooming indefinitely. Sun or part shade. Potted plants 10" to 12" 60c. 4" to 6" each..... 40c

EVERBLOOMING CHRIST THORN

This splendid distinct variety *E. splendens* var. *bojeri* as now identified flowers all the year much more abundantly than the old species. Flowers deep red, plant bushy. A rich porous soil, moderate to generous watering, sun or part shade. Potted..... 50c



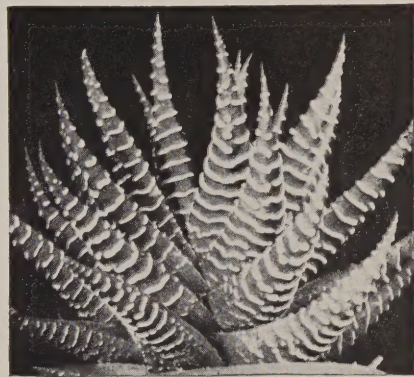
GIANT JEWEL PLANT

Nananthus malherbii is related to the Jewel Plant but much larger. This plant may reach 3 inches across. The leaves are studded with white bosses. Clusters, the leaves light brown often tinged purple. Easily grown. 40c
Keep on dry side. Each..... 40c



MEXICAN GEM

Handsome *Echeveria elegans* has spoon shaped leaves of powdery white. Beginning as a single head, it quickly forms clusters, each head crowned in spring with dusky rose blossoms. Easy to grow, it is brightest when given plenty of light and ventilation. Each..... 40c



ZEBRA HAWORTHIA

The ever popular *Haworthia fasciata* is a charming plant with pearly white, raised lines banding the pointed, dark green leaves. All the Haworthias like some shade and moderate watering. A sandy soil with peatmoss and leafmold is best. They have rather thick, fleshy roots. Each..... 40c



DESERT ROSE

Bears large deep pink blossoms. *Trichodema densa* is an African succulent much prized by fanciers. The root system is almost tuberous so it needs a quite sandy compost, a light position and to be watered only when the soil is dry. The blossoms are very bright. Each..... 50c

JOHNSON'S CACTUS FOOD

12 oz. bag..... 50c
32 oz. bag..... \$1.00

CURIOSITY COLLECTION F4

The six plants below. A colorful selection to brighten up your kitchen or breakfast nook. Easily grown in pot or bowl. All six, \$2.25 value, only..... \$1.60

PEANUT CACTUS

Large, bright red flowers. Easily grown, fast forming many headed specimens. Each..... 35c

PINCHUSHION

Flowering when small, it grows quickly in sun or part shade. Each..... 35c

BIRD'S NEST

Yellow flowers. Long slim nipples with curling yellow spines. Large..... 50c

RED DRAGON FLOWER

Red and black flowers. Cluster forming..... 35c

CHRISTMAS CHEER

Grows anywhere. Colors best in dry poor soil. Each..... 35c

FLOWERING PINCUSHION

The *Manillarias* are very satisfactory for the beginner. Easily grown, flowering in spring with handsome carmine flowers. Nice plants..... 35c





RAINBOW BUSH

Rainbow hued in yellow, cream, pink and green each dainty leaf hugging the fat, mahogany red, jointed stem. *Portulacaria afra* var. *tricolor* is a charming plant that will stand out among the plainer greens. Light loam soil, generous treatment, don't keep too dry. Sun or shade. Potted..... **40c**



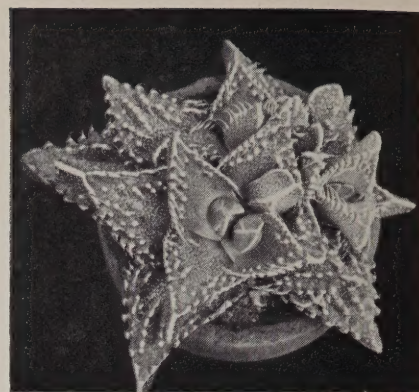
PUSSY EARS

A creeper with hairy green leaves and brilliant small orange and purple flowers. *Cyanotus somaliensis* is easily grown. Potted..... **40c**



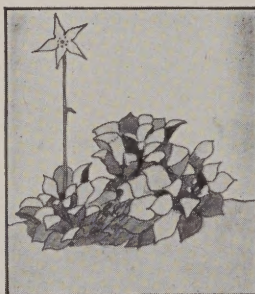
ANACAMPSEROS BUDIERIANA

Pure white branches formed by overlapping stipules. (The true leaves are under the white stipules). This plant and related species will always be choice collector's items because of their very slow growth. A 2" plant may be 5 to 10 years old. Fascinating, exquisite little plants for the connoisseur. Potted..... **\$1.00**



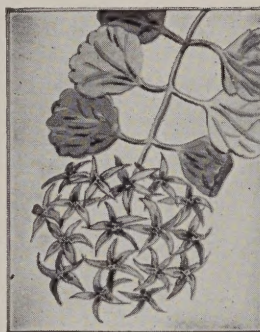
KNOBBY TIGER JAWS

This is a new, selected form with prominent knobs and large yellow flowers in October and November. Forms nice clusters. Easy to flower in a sunny location. *Faucaria tuberculosa* superba likes a quite open sandy soil. Flowering size each..... **50c**



WOOLLY SAND ROSE

The tiny *Anacampteros tomentosa* has its thick leaves covered with wool. All the *Anacampteros* are interesting for the fancier as there are many kinds quite different in habit..... **40c**



PINK CHAIN

Sedum sieboldii has large terminal cluster of bright pink blossoms and round, blue leaves. Plant deciduous winter hardy in U.S. Does best in rock garden or hanging basket. Each..... **40c**



CORAL BEADS

Each head a jewel of bright red. Brightest when grown in poor soil or sand and in full sun. *Sedum stahlii* grows too fast in rich soil. The leaves are easily detached and if put on dry soil will eventually form a new plant. 2 for..... **35c**

EUPHORBIA

The Succulent Euphorbias like a rich, well drained soil to do their best. Give them a very light or sunny position. They grow most during hot summer weather. Water when dry but do not keep wet.

<i>Euphorbia acruensis</i>	\$1
<i>E. aggregata alternicolor</i>	\$1
<i>E. atrispinosa</i>	\$1
<i>E. barteri</i>	\$1
<i>E. bergeri</i> . Nice heads.....	\$3.50
<i>E. canariensis</i> . 15" to 18".....	\$3.50
<i>E. carlsonii</i>	\$1.25
<i>E. caput commelini</i> . Large specimens 6" to 8".....	\$5-\$7.50
<i>E. clavarioides truncata</i> . Large specimens.....	\$5

<i>E. coerulescens</i>	\$3.50
<i>E. frankiana</i>	\$1
<i>E. ferox</i>	\$1
<i>E. fruticosa</i>	\$1
<i>E. grandicornis</i>	\$3.50
<i>E. griseola</i>	\$1.25
<i>E. heterochroma</i>	\$1.25
<i>E. horrida</i>	\$1
<i>E. jansenvillensis</i>	\$1.25
<i>E. ledienii</i>	\$1
<i>E. loricata</i>	75c
<i>E. nivulia</i>	\$1.50
<i>E. stellaespina</i>	\$1.50
<i>E. submammillaris</i>	50c
<i>E. suzannae</i>	\$1.50
<i>E. squarrosa</i>	\$1.50

MIMICRY PLANTS

COLLECTION F5

Unique are these unusual mimicry plants which so closely resemble the rocks among which they grow. They may all be planted together in a 5" pot or dish in quite sandy soil or sand.



6 unlabeled kinds as Stone Face, Split Rock, Flowering Stones, etc. **\$1.50**

DINTERANTHUS PUBERULUS

Bright yellow flowers in fall. Leaves white tinted pink. A charming African Stone Plant..... **35c**

KARROO ROSE

The lovely *Lapdaria margaretae* with carved white leaves flushed with rose. Golden blossoms borne in September..... **35c**

FLOWERING STONES

Dinteranthus inexpectatus closely resembles the white pebbles among which it grows. Golden flowers. Fine..... **35c**

GIBBAEUM

Curious mimicry plants with rosy lilac flowers and very unequal leaves. Form clusters of fat leaves. Each..... **40c**

PLEIOSPILOS HILMARI

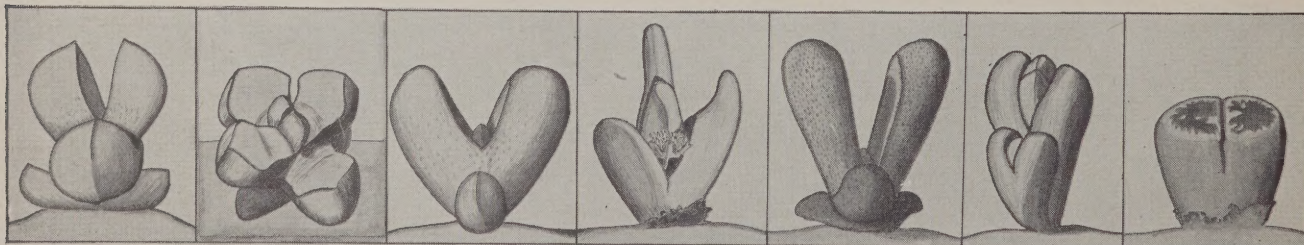
Fat copper-red leaves like jasper pebbles. Large golden blossoms borne from August to September. Nice colored plants..... **35c**

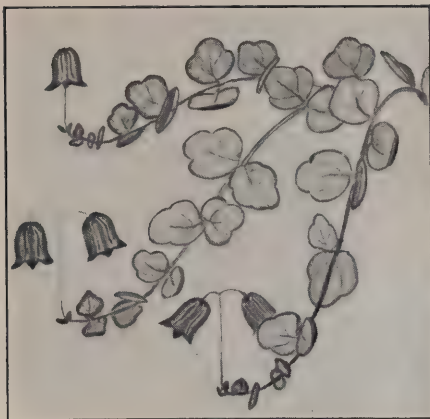
PEBBLE PLANT

The *Rimarias* are like smooth green chert pebbles. Cluster forming. Flowers white. Each..... **35c**

STONE FACE

Lithops among the jewels among the succulents. Lovely patterned windows on top of brown, gray, rust red, white or green. Just like colored pebbles. Nice plants. Each..... **35c**

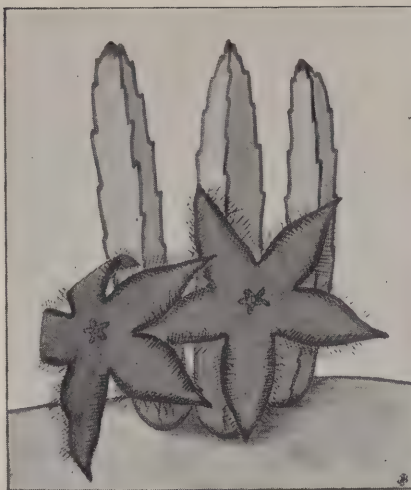




CORAL BELLS

A charming creeping or hanging plant that does splendidly in shady places. It roots as it goes. *Kalanchoe uniflora* is exceptionally easy to succeed with. Likes lots of water and a porous soil. A good soil is leafmold and sand or peat moss and sand or loam. Flowers like small red Chinese lanterns in the spring. Free flowering. Packed in plastic bag.....

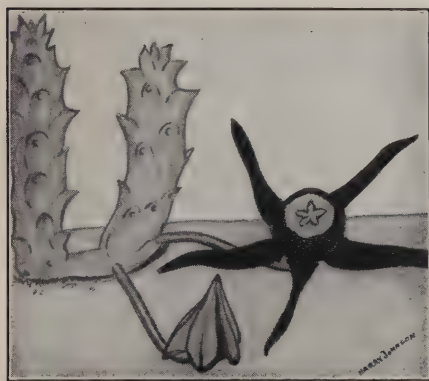
40c



STAPELIA BELLA

Deep pink blossoms 2" in diameter extremely freely produced. Each petal is fringed with white vibratile hairs. An almost odorless variety. A neat, compact growing plant that flowers the first summer. A rich porous soil, moderate watering and sunny location. Each.....

60c



DUVALIA

The Duvalias are members of the Starfish Flower group with short, stubby creeping stems and odorless flowers which are almost black. They flower in summer and fall. They like a rich but porous soil and a sunny position in the window. They may be put outdoors in the summer. Moderate watering. Each.....

60c

Duvalia corderoyi. A very handsome species with large flowers the raised annulus in the center densely covered with long pinkish-purple hairs. Very slow growing. Rare collectors item. Each.....

\$1

Duvalia polita. Large reddish flowered species with wide glossy petals the annulus faintly mottled and hairless. Each.....

90c

Duvalia elegans. Flowers almost black the entire surface covered with dark purple hairs. Very free flowering. Each.....

60c



EUPHORBIA BUPLEURIFOLIA

This very scarce succulent from South Africa bears normal green leaves at the tip of its pineapple-like stem. A collectors rarity. Plants grow readily in an open soil, watering moderately. A partially sunny or very light situation. Each.....

\$2.00



KARROO ROSE

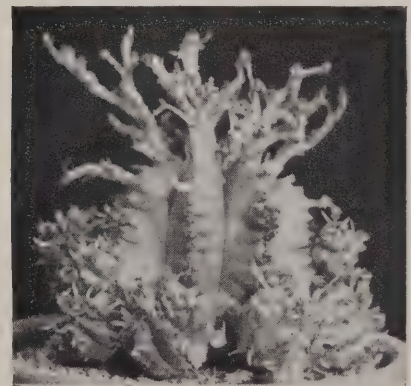
A pretty S. African succulent. *Lapidaria magaretae* has white leaves flushed with pink. It may eventually reach 2" in diameter but is generally smaller. The flowers produced in the fall are a brilliant golden yellow. Sunny situation, sandy soil very moderate watering. Each 3/4" to 1".....

35c

ADVICE TO PATRONS

The best months to order Succulent plants are the cool spring and fall months when they will arrive in excellent condition. During the hot summer months of July, August and early September it is difficult to ship them without loss of leaves. We want you to be pleased with your plants and during the hot summer risk of loss is considerable.

Cacti are not bothered by the heat and hence may be shipped at any time.



EUPHORBIA MELOFORMIS

This interesting succulent looks like a cactus. The growth that looks like spines is the dried flower spikes. Likes a sunny location, moderate watering. Each.....

65c



ORANGE BABY TOES

The curious *Fenestraria aurantiaca* comes from the west coast of Africa. In the wilds only the tips of the leaves peep above the surface, the clear window in the tips allowing the light to penetrate. Simple growing instructions with each plant. Potted specimens each.....

50c

STARFISH FLOWERS

There are a great many species of Stapelias native to S. Africa and all of them are interesting. Some of the flowers—which are always on small plants—are huge, more than a foot in diameter. Many flowers are covered with hairs, others are barred or mottled. They like a rich porous soil and moderate watering. Full sun to flower well.

Stapelia ambigua fulva.....75c

S. angulata. Handsome flowers red with yellow center.....

60c

S. cantabrigensis. 4"-5" reddish.....

65c

S. cooperi. Heavily spotted yellow and maroon.....

50c

S. desmetiana. Large plant, big flower.....

\$1

S. flaviostris. Large plant, large hairy flower.....

\$1

S. gettleffii. A beauty. Large plant.....

\$1

S. glabricaulis. Pretty.....

75c

S. hirsuta unguipetala.....

50c

S. leendertziae. Black globe shaped.....

\$1

S. maculosoides. Spotted. Handsome.....

50c

S. mutabilis. Fringed.....

75c

S. namaquensis. Rare. Central disk.....

75c

S. pasadenensis. Large. Reddish.....

75c

S. parvipunctata. Rare. Slow.....

\$1

S. peglerae. Yellow and brown.....

75c

S. pillansii. Black, fringed.....

75c

S. plantii. Handsome.....

\$1

S. pulvinata. Bearded Starfish.....

75c

S. schinzii. Black.....

60c

S. senilis. Handsome. Large plant.....

\$1

S. verrucosa conspicua. Fine!.....

75c

S. wilmaniae. Black globe shaped flowers.....

\$1

BLACK STARFISH FLOWER

Stapelia berlinensis bears 3-inch handsome purple-black flowers. It is one of the finest in bloom flowering from early summer to late fall. A hybrid of the *S. variegata* group. Use a rich but very porous soil, water moderately giving plenty of sun. Plants.....

65c





GLORIA

A magnificent Orchid Cactus with gorgeous flame colored flowers up to 9 inches across. Its season of bloom is one of the longest, flowers sometimes appearing as late as August. Very easy to succeed with. An outstanding variety and much recommended. Each..... **85c**

CARE OF NEWLY POTTED ORCHID CACTI

When you receive the plants the roots will be in a plastic bag which keeps them moist yet gives them air. When your potting soil is ready it should be barely moist so you can sift it among the roots. Use about a 3" or 4" pot for the first potting. Small pots are best at first as they allow for more air which encourages new root growth. Pot only moderately firmly, seeing that the compost is on the coarse side, not too fine. Water well, then place the plants in a well lighted window with ventilation. They like fresh air. A temperature of 60° is excellent, 10° lower or higher is acceptable. Keep barely moist, not wet. In a month new roots should be established. Later they should be put in 5" or 6" pots to finish their summer growth. If you have a sun porch or greenhouse place the pots in a light position but protect at first from the mid-day sun to prevent scalding. Cacti **do not** wilt like ordinary plants but draw upon stored water reserves until roots are started.

POLDI SVETNIC

Star-like white blossoms the inner petals spreading. Petals numerous, slender. A charming free flowering plant. Use a rich but porous soil with some peatmoss or rough leafmold to make it spongy. Keep moist but not wet. Partial sunlight. Each..... **\$1**



ORCHID CACTI

ORCHID CACTI or Epiphyllums bear the showiest blossoms of all cacti. Their culture is similar to other house plants such as geraniums. They like a well lighted window and a cool rather than hot atmosphere. The parents of these complex hybrids are native to the mountains of Mexico and Guatemala where it is cool most of the year. There is a long dry season often with considerable fog, or really clouds which in the tropics cling close to the mountain-sides. The rainy season may be quite wet but fairly short.

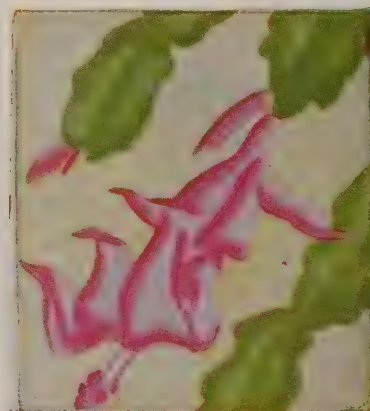
Orchid Cacti like a very open or porous compost to grow in. A close sticky or clay soil will hold water too long and the roots will suffocate. A good compost to start with is crumbly loam, leafmold, gritty sand and peatmoss in about equal proportions. Some would add a portion of well rotted cow manure. While they may be planted at almost any time they are most active in mid-spring. Water enough to keep them damp at all times. They do most of their growing in spring and early summer. In late summer and fall the stems are maturing and a little less water should be given. They flower during April, May and June always on last year's stems. During summer it is well to put them outside under a tree or on a partly shady porch as they will benefit from the fresh air and sunlight.

In California during the past few years considerable interest has been taken in the improvement of Orchid Cacti. Many new varieties have been produced some of outstanding merit. Our own productions have been mostly in new combinations with other genera. Thus several new types have been produced which have their own characteristic flowers and plant forms. Many have ribbed, round stems and are suitable for grafted standards, hanging baskets or pots. They require the same culture as Epiphyllums but will grow with much more sunlight.



PADRE

Lovely warm pink blossoms. Flowers over a long period. A reliable bloomer and a good one to start with. Plant vigorous and strong rooted. Besides the regular flowering period it may bloom at odd times through the year. Each..... **85c**



CHRISTMAS CACTUS

Grandmother's favorite. Beautiful Fuchsia-like showers of dainty pink blossoms. Zygo-cactus truncatus blooms from Christmas on. The flowering time is variable. Use a porous soil with leafmold and sand. Our Jungle Mix is excellent if you are inclined to overwater. Keep damp in a bright window shaded from the noontday sun. Larger 6-7" plant **75c**
\$1. Smaller potted plant 50c and.....

LIST ACCORDING TO GENERAL COLOR PINK AND LAVENDER

NEWER VARIETIES

- Ballerina.** Deep rose blossoms of Empress type. Inner petals pale pink.....**\$2.50**
- Carnation.** Lovely carnation-pink, rose eye. Broad overlapping petals. Strong grower.....**\$2.50**
- DRAGONET.** Coral blending to purple, throat crimson. Outer segments white stripe.....**\$1.50**
- Frau Maria Rohl.** Brilliant carmine pink. Empress type. Pot or basket.....**\$2**
- Melrose.** Large buff-rose, base of petals lavender, outer petals tan.....**\$1.50**
- Sea Breeze.** Lovely brilliant pink. Inner petals cup-shaped outer erect, rose.....**\$2**
- Adonis.** Large pink blossoms with violet sheen, rosy lilac center. Good grower.....**85c**
- Agatha.** Warm pink, cherry red center, satiny sheen. Free bloomer, good grower.....**85c**
- Argus.** Handsome cup-shaped flower, salmon pink, red center. Late flowering.....**85c**
- Bohemienne.** 3-colored flower, outer petals salmon, inner pink and lilac.....**85c**
- Cynthia.** Clear pink, cup-shaped with white throat outer reflexed. Good basket type.....**85c**
- Jorge Siepke.** Orchid pink blossoms color running in stripes toward center.....**85c**
- Joseph de Laet.** Handsome! Outer petals scarlet, inner lilac, dark center stripe.....**\$1.25**
- Latona.** Loosely petalled flower, orchid pink.....**85c**

Pink Nymph. Lovely saucer-shaped salmon pink flowers. Petals ruffled. Strong grower.....**85c**

Ramona. Salmon pink blossoms. The outer petals soft rose pink. Good grower.....**85c**

Richard Diener. Huge rose pink. Inner petals apricot pink waved margins.....**\$1.25**

Rosetta. Deep red-pink shaped like a rose bud. Excellent basket type.....**\$1**

Saturnalia. Large clear pink blossoms with darker cerise center.....**85c**

Welcome. Fragrant rose pink blossoms suffused pale lilac, darker lavender eye.....**85c**

Scheherazade. Pink blossoms deepening to lilac. Fine free bloomer.....**85c**



EMPRESS

This lovely variety is quite different from the others. The buds are pink all during their development and the flowers last in perfection for a long time. They make a charming corsage. An old favorite for window gardens. In Europe they are a familiar sight in cottage windows. Each.....\$1

ROSETTA. A variety deep red-pink, shaped like a rose bud with incurved inner petals over recurved. Each.....\$1.00

ORANGE TO AMBER

Bliss. Bright orange. Large flower with rounded petals. Strong grower.....85c

Brown Bear. Lovely cup-shaped flower bronzy orange. Vigorous plant.....\$1

Dr. von Roeder. Large orange flowers with buff overlay. Handsome.....85c

Flamingo. Brilliant amber orange with pink overlay. Center violet. Splendid.....85c

Mon Cherie. Beautiful. Petals feathered with red on yellow ground.....\$1.25

Stern von Erlau. Amber within, outer petals red. Lustrous.....85c

JUBILEE ASSORTMENT COLLECTION F6

7 named Orchid Cacti in a fine range of color and varieties. White, red, crimson, pink, lavender. All are standard vigorous growers. A rainbow in your window. Pot first in 3" or 4" pots until well established then shift to 5" or larger. The set.....\$5

RAINBOW ASSORTMENT COLLECTION F7

3 fine Orchid Cacti in red, white and pink. These are all nice named varieties and should make fine plants. Pot them in 3" to 4" pots and shift to 5" pots when established. All labelled.....\$2



CONWAY'S GIANT

A huge flower with broad crimson outer petals. Outer petals overlaid with crimson and violet. A lovely blossom. The plant is a vigorous grower and free bloomer. Each.....90c



HERMOSISSIMUS

This lovely Orchid Cactus is still one of the brightest and best of all. It is a vivid example of the bicolor type with deep crimson outer petals the inner petals and throat a glowing electric violet each petal with a median stripe of orange. The branches are rather slender, the flower buds long, slim and pointed. A free boomer of vigorous growth generally flowering in April. It should have a light open soil. Each.....\$1.25

Sunburst. Large flower burnt orange within, vivid violet throat. Good grower.....\$1

Sun Goddess. Huge 10" flower, brilliant burnt orange with golden sheen. Lovely....\$1



PROFESSOR EBERT

A very lovely free blooming variety with flowers of bright violet carmine. A good sturdy plant with triangular, bright green stems, quite sure to flower. Attractive upright growth bearing its flowers boldly. Each.....95c

RED TO RED VIOLET

Thunder Cloud. Large deep red, inner petals edged violet. Choice new variety..\$3.50

Amber Queen. Large to 10", brilliant orange red inner petals shading to yellow at base. Flower has amber glow.....90c

Camillo Schneider. Large bright red flower petals bordered with lavender.....85c

Champion. Large deep red blossoms edged with violet. Strong grower.....85c

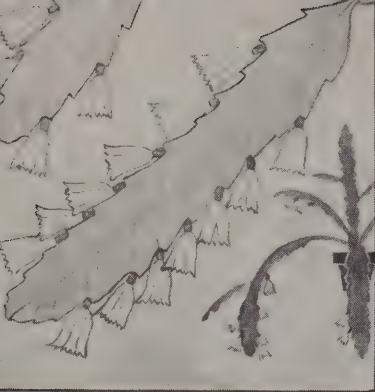
Dante. Large 9" orange red blossom inner petals suffused delicate violet tones.....85c

Gloriole. Fragrant cup shaped flowers deep red with violet overtones.....85c

ANDRAE

A very choice hybrid between the easily flowered Easter Cactus Schlumbergera gaetneri and the lovely Spring Beauty, Rhipsalidopsis rosea. Flowers up to 3" across and very freely produced in April. They like a spongy soil (Jungle Mix) as the parents are epiphytic. Partial shade, generous waterings in summer with feedings of liquid fertilizer. Small 1-3 leaf potted plants.....\$1





SNOWDROP CACTUS

A great favorite. Rhipsalis houlletiana has gracefully arching branches set with pretty white bells in spring. Likes a shady but light position, porous soil and generous waterings in summer. Culture as Orchid Cacti. **50c**

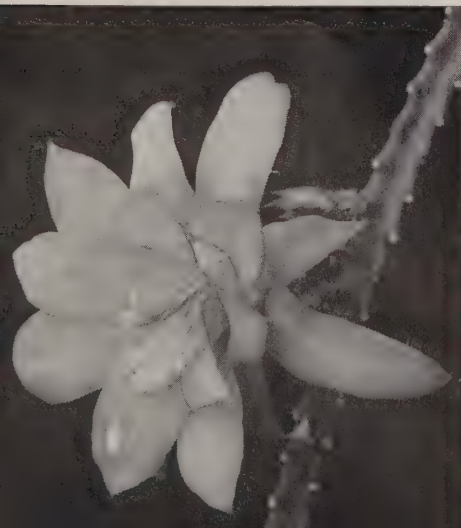
Oberst Kunrich. Inner petals deep violet outer petals shading to copper. **.85c**
Scarlet Giant. Very large orange scarlet, throat violet red. Good grower. **.85c**
Viviana. Handsome deep red-purple opening widely. Good basket variety. **.90c**
Hans Rehm. Lovely claret red 8" blossoms. Petals bordered violet. **.85c**
Franz Lehar. Crimson outer petals, inner petals rose red. Good grower. **.85c**
Leobneri. Inner petals red suffused with lavender, outer red violet. **.85c**
Orion. Large rich scarlet blossom with bright violet throat. Fine. **.175**

WHITE and YELLOW

Ben's Laura. Many petalled semi-double flower. Petals chiffon-like, pearled clear to throat, opening very flat. Late bloomer. **.350**
La Campana. Fine large white with yellow outer petals. Good basket plant. **.250**
Marina Special. Large flower each petal heavily feathered with clear yellow on white ground. Beautiful! Vigorous plant. **.350**
Polar Bear. Handsome large white petals tipped with yellow. Outer petals recurved, lemon yellow. Good grower. **.250**
Alice Roosevelt. Large white with beautiful open form the white petals with yellow edging, outer petals dark amber. **.250**
Easter Morn. Fragrant. Inner petals white, outer flaring yellow and gold. **.1**
Eden. Fragrant. Very large pure white. Outer sepals rich yellow. Handsome. **.85c**
Londonii. Creamy white petals within. Outer deepening to yellow. Lovely. **.90c**
Moonrise. Lovely fragrant large white blossoms with saffron yellow outer petals. Vigorous, free flowering. Excellent. **.85c**
Mt. Hood. Fragrant large pure white within outer petals yellow. **.85c**
Oriole. Charming white and gold 7" blossom. Plant vigorous, free flowering. **.85c**

APOROPHYLLUM "HALITO"

For those that enjoy the unusual this is a very lovely plant. The color is a brilliant scarlet the flowers of unique form. The plant may be trained upright or the round, ribbed stems allowed to trail. It blossoms from March to December having as long a blossoming period as any cactus I know. Culture as Epiphyllum. **\$1**



BRILLIANT TRICOLOR BLOSSOMS

Pride of Bell. Brilliant blossom. Inner petals orchid pink with light burgundy center. Outer petals orchid deepening to deep burgundy. Sepals rose orchid. Satiny texture, opening flat. **.350**
Sherman E. Beahm. Giant flower predominantly purple-red. Full wavy edged petals with violet center stripe toning to orchid margin. **.250**
Dr. Werderman. Lovely bright blossoms of rich orchid color petals with darker center stripe and almost white margin. **.250**
Pegasus. Outstanding large flower. Petals broad with red center stripe surrounded by purple with lavender margins. Silky texture. **.250**
Ceka. Beautiful large violet flower. Petals deep violet with lavender margins outer petals carmine. Handsome. **.250**
Anton Gunther. Blue-violet flower. Petals red-violet to lilac with white edge. Back petals red-violet. **.125**
August von Szombathy. Inner petals with delicate violet stripe shading to pink, outer petals deep violet. Excellent for corsages. **.125**
Friederick Werner Beul. Fragrant 10" blossoms petals with orange center stripe shading into violet and pale lavender with white edges. **.90c**
Paula Knebel. Large flower outer petals crimson, inner petals violet shading to lavender at edge with orange center stripe. **.1**



VALENCIA

Inner petals orange yellow with violet throat. Outer petals deep orange red. A vigorous free blooming late season Orchid Cactus. **90c**

RED VIOLET TO MAROON

Blackamoor. An outstanding deep red-purple flower the deepest colored of the Orchid Cacti. Inner petals deep purple, outer petals darkening to an almost red black. Fine form and texture. **.350**
Chauncey. Dark red-purple. Large flower, excellent quality. Vigorous plant. Fine! **.250**
Bambi. One of the most vivid blossoms imaginable. Brilliant fuchsia-red petals shading into bright carmine. Larger than Kaiserin. A truly lovely plant. **.350**
Thorienné. Flower of unusually wide funnel-form shape. Petals dark red shading to violet along the margins. Fine. **.125**
Alta Scott. Brilliant blossom. Petals deep red, margined purple to lilac. **.125**
Mrs. Grant. Flowers predominantly purple with red outer petals. **.85c**
Scintilla. Brilliant, handsome blossom. A fine recent introduction. **.250**
Montezuma. Fine orange flower with violet shading on petal margins. **.150**
Orion. Rich scarlet with electric violet throat. Opens widely. **.175**
Mons. Jolibois. Red petals shading to orange at center. Throat violet. **.85c**
Germania. Predominantly purple with maroon outer petals. Throat darker. **.1**
Ernest von Seyderhelm. Large coppery orange shading to red and violet. **.1**

FANCIER'S SELECTION

COLLECTION F14

20 Cacti and Succulents of the better kinds such as Notocactus, Cereus, Mamillarias, etc., among cacti and Echeverias, Crassulas, Kalanchoes etc., among Succulents. A wide selection of types carefully chosen for beauty and variety all standard cataloged varieties. Postpaid. **\$5**



EARLY FLOWERING XMAS CACTUS

Bright salmon-red flowers much handsomer than the old Xmas Cactus. Zygocactus bicolor flowers early in October or November and is exceedingly floriferous. Even small plants persist in blooming. The stems or "leaves" are shorter and broader than Xmas Cactus, with long teeth which gave the common name Crabs Claw. Plant vigorous thriving in our Jungle Mix or a very spongy soil. Small potted plants each. **\$1**

CHRISTMAS CACTI

ZYGOCACTUS

Christmas Cacti or Crabs Claw are well known old favorites but few people realize their several color variations and types of stems. All require the same care similar to Orchid Cacti. Light porous soil, Jungle Mix is recommended.

WHITE CHRISTMAS CACTUS. Z. delicatus. Flowers larger than Xmas Cactus pure white sometimes faintly flushed pink. Extremely free bloomer. A beautiful and very distinct plant. Flowers in November and December. Small 1-3 leaved plants. **.250**

JOHNSON'S ELECTRA. A vigorous new variety with very large flowers of bright red pink. Flowering period in November and again in March. Small. **.150**

JOHNSON'S VIVID. Intense scarlet-red very different from Electra. A lovely variety flowering in November and December. "Leaves" strongly toothed up to 8 at each node. Small plants. **.150**

SALMONEUS. Thanksgiving Cactus. Salmon-red or scarlet flowers in November to December. Small plants. **.125**

AMELIA MANDA. Large pale crimson blossoms, petals pink at base. Small plants. **.125**

BAHAI. Late bloomer. "Leaves" short, plants compact. Free flowering. Flowers pale crimson. Small. **.100**

W. A. MANDA. Leaves very wide, large. Growth open. Plant vigorous. Flowers pale crimson in February. Small plants. **.125**

PARNA. Flowers pale crimson to deep pink, paler pink throat. Leaves long, growth open. Vigorous plant. Small. **.1**

Early Flowering Xmas Cactus. Z. bicolor. See photo above.

JOHNSON'S JUNGLE MIX

See page 18 for supplies



HANS REHM

Glistening, large 8" blossoms of claret-red Outer petals red inner petals orange-red edged with purple. A very lovely flower. Vigorous grower. Each. **\$1**



MISTLETOE CACTUS

A pretty, compactly branched plant, *Rhipsalis mesembryanthemoides* has small white blossoms followed by mistletoe-like white berries. The short joints have slightly woolly areoles. Likes shade and should be kept moist. Use a very open, porous compost. Native to Rio de Janeiro, Brazil. Each.....

50c

EASTER CACTUS

Schlumbergera gaetneri flowers at Easter-time. The blossoms are 1½"-2" in diameter, brilliant red in color. When well grown they can be unbelievably prolific in blooming carrying hundreds of blossoms an ethereal spectacle. The plants look and requirements are similar to the old Xmas Cactus. Each.....

\$1

DISAPORA

Distinct and charming basket or hanging plants. The blossoms are bright carmine red 1½"-2" long, slender; outer perianth recurved, inner open. Most unusual and very lovely for upper brackets in a window. The slender ribbed stems may reach 2'-3' in length. Give them the same treatment as for *Epiphyllum* or *Xmas Cacti*. Grafted on *Selenicereus*. Each.....

\$1.50

CHIAPORA

Handsome plants with the habit and appearance of *Epiphyllum* and thriving with the same care. The flowers are somewhat like *Chiapasias* but bright rhodamine purple in color. They are very free flowering the blossoms 2"-3" in diameter outer perianth recurved inner cup-shaped. Flowers borne in March and April. Vigorous habit. Each.....

\$1

HATIORA

The *Hatioras* are related to the *Rhipsalis* but bear their orange colored flowers at the stem tips. They grow easily and make fine specimens with the same care as *Epiphyllums* liking plenty of moisture.

Hatiora bambusoides grows upright bearing a great many of its bright flowers in March.....

50c

ACANTHORHIPSALIS

A genus of Andean cacti near *Rhipsalis* but bearing spines. *A. monacantha* is from Argentina. Each.....

75c

APOROPHYLLUM

A very lovely group of Orchid Cacti hybrids which prolong the flowering season. They have round instead of flat stems and may be trained upright or planted in baskets. See illustration on opposite page. Culture as for Orchid Cacti.

HALITO. See page 14.

LAWRENCE. Soft salmon pink blossoms. Hybrid between *Aporocactus flagrifloris* and *Valencia*.....

\$1

ODALISQUE. A hybrid between the beautiful rosy red *Rosetta* and *Aporocactus flagrifloris*.....

\$1

PINK BEAUTY. A lovely rose pink variety and a free bloomer. Grafted plants on *Selenicereus* each.....

\$1.50

TEMPLE FIRE. A large flowered variety with a long tube. Flowers fiery red. A unique and handsome plant. Grafted plants.....

\$1.50

TEMPLE DUSK. Large flowered variety with long tube with stems up to 6' long. Flowers of an odd and pleasing color buff pink. Grafted plants.....

\$1.50

SUN CEREUS HYBRIDS

These brilliant hybrids, *Aporoheliocereus*, are the result of using the gorgeous *Helio-cereus speciosus* the basic parent of all red and violet Orchid Cacti and *Aporocactus flagrifloris* the Golden Pink Rattail Cactus. The flowers are large and very bright red and violet. Culture same as Orchid Cacti.

HAZEL HYBRIDS. Vigorous growing with round, ribbed stems and brilliant large blossoms with short tubes and spreading petals. Each.....

\$1.25

ERYTHRORHIPSALIS

A small epiphytic cactus, *E. pilocarpa*, is related to *Rhipsalis*. The slender branches are many jointed the areoles with long white hairs. The flowers are borne at the tips, white tinged pink. Each.....

75c

RHIPSALIS

A large group of epiphytic jungle cacti. They are very diverse in appearance. Culture as for Orchid Cacti.

<i>Rhipsalis bolivianus</i>	50c
<i>Rhipsalis capilliformis</i>	50c
<i>Rhipsalis cassutha</i>	40c
<i>Rhipsalis cereuscula</i>	50c
<i>Rhipsalis clavata</i>	50c
<i>Rhipsalis crispata</i>	50c
<i>Rhipsalis crispimarginata</i>	75c
<i>Rhipsalis dissimilis</i>	50c
<i>Rhipsalis elliptica</i>	50c
<i>Rhipsalis fasciculata</i>	50c
<i>Rhipsalis grandiflora</i>	50c
<i>Rhipsalis heteroclada</i>	50c
<i>Rhipsalis leucorhaphis</i>	75c
<i>Rhipsalis lindbergiana</i>	50c
<i>Rhipsalis lumbricoides</i>	\$1.00
<i>Rhipsalis micrantha</i>	50c
<i>Rhipsalis nevis-armondii</i>	50c
<i>Rhipsalis oblonga</i>	50c
<i>Rhipsalis pachyptera</i>	75c
<i>Rhipsalis paradoxo</i>	50c
<i>Rhipsalis pendula</i>	50c
<i>Rhipsalis pentaptera</i>	60c
<i>Rhipsalis platycarpa</i>	75c
<i>Rhipsalis pulvinigera</i>	50c
<i>Rhipsalis puniceo-discus</i>	50c
<i>Rhipsalis quelebambensis</i>	50c
<i>Rhipsalis ramosa</i>	50c
<i>Rhipsalis shafferi</i>	50c
<i>Rhipsalis teres</i>	50c
<i>Rhipsalis tonduzii</i>	75c
<i>Rhipsalis trigona</i>	60c
<i>Rhipsalis tucumanensis</i>	75c
<i>Rhipsalis virgata</i>	50c
<i>Rhipsalis warmingiana</i>	50c
<i>Rhipsalis wercklei</i>	75c



TEMPLE GLOW

Those who saw this bright flowered plant in blossom at our nurseries this year were enchanted with it. The plants were smothered with the colorful buds and graceful flowers which are pink within, the outer recurving petals orange. The stems are pendant and many reach 3' in length. Give it a light position but protected from the noonday sun, a very porous compost and moderate to generous waterings. Each.....

\$1

EPIPHYLLANTHUS OBOVATUS

A charming Christmas Cactus-like plant from Brazil. The plant looks like a tiny *platyopuntia* but the flowers would be mistaken for Christmas Cactus. Treat as for Orchid Cacti. Each.....

\$1

RATTAIL CACTUS

APOROCACTUS

These are old favorites that always give a good account of themselves. Mexican plants each quite different from the other. The flowers of three of them are in shades of pink with curved tubes two red flowered species are larger with almost straight tubes. Culture as for Orchid Cacti though they bloom more profusely with more sunlight.

APOROCACTUS CONZATTII. A stout, vigorous plant with large, deep scarlet red blossoms. It is larger in all its parts than the common Rattail Cactus. It enjoys a sunny location and a rich, porous soil. A handsome plant, easily grown. Large.....

\$1.50

APOROCACTUS FLAGELLIFORMIS. Rattail Cactus. This is the well known species.....

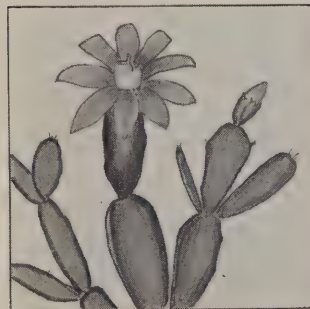
\$1

APOROCACTUS FLAGRIFORMIS. Golden Pink Rattail. To me this is one of the most beautiful of flowering cacti. The flowers are 3½" long opening widely the outer petals recurved. Inner petals an exquisite orange pink. Stems with pink spines when young.....

\$1.50

APOROCACTUS MARTIANUS. Giant Rattail. Stems up to ¾" diameter and 4' long. Flowers large 4" long with expanded corolla 2½" wide, scarlet red petals shaded with violet. Small plants.....

\$1.50



SPRING BEAUTY

This charming small plant, *Rhipsalidopsis rosea*, is a stunning thing when in full bloom. The blossoms are rose colored and borne in profusion at the tips of the flat branches and are 1" to 1½" in diameter. Each.....

75c



RHIPSALIS RHOMBEA

A coppery-green plant from Brazil. It grows quickly and with its colored stems and creamy flowers is quite distinctive and attractive. Upright but as the branches lengthen becomes pendant. A nice basket or ledge plant. Shield from midday sun.....

40c



CHIAPASIA NELSONII

The bright violet pink blossoms are about 2½" long borne abundantly in the spring. This pretty epiphytic Mexican cactus has long terete stems from which spring the thin flattened side branches. Prefers a cool partially shady situation rather than a hot dry one. Each.....

85c



DISOCACTUS EICHLAMII

An exquisite, small epiphytic cactus from Guatemala. The jewel-like, bright crimson blossoms are very freely borne in the spring. The plant looks like a small *Epiphyllum* bearing its blossoms at every crenation. Give same care as for Orchid Cacti. Each.....

75c



SPRUCE CONES

A spineless species, *Tephrocactus strobiliformis*, is native to Argentina. The fat smooth stems are pale green. They branch quite freely when given generous treatment. Full sun. Each.....**40c**



DWARF TREE OPUNTIA

Opuntia vilis grows into a well branched tiny tree some 4" tall. This interesting Mexican species is of particular interest because of its tree-like growth. Plant it in a very sandy soil and water only moderately. Place in sunny position. Each.....**35c**

OPUNTIA BULBISPINA

A dwarf species with ovoid joints forming upright much branched plants. The central spines are bulbous at the base. This curious species is very slow in growth. Each.....**40c**



BOXING GLOVE

A curious form of *O. fulgida* with branches which split at the tips into crests. The crests become fans with age. Every plant crests. The common name is easily understood. Each.....**40c**

Opuntia

The Opuntias form one of the largest groups in the family, over 300 species, native from Canada to Patagonia. They are the only cacti which bear glochids. A great many have large and colorful flowers. Give them a sandy soil, only moderate watering and a sunny position.

Opuntia ipatiana. A small species with pinkish flowers followed by brilliant red fruits which remain bright for months. Attractive.....**50c**

O. leptocaulis. Slender much branched plant with very numerous 1 1/2" spines enclosed in a golden sheath. Bright red fruits. Each....**40c**

O. pycnantha. A rare and pretty species from Baja California. Spines hair like, reddish. Each.....**75c**



ANGEL WINGS

A dainty little plant the areoles filled with snowy-white cotton. Completely spineless the glochids do not stick! It branches freely and remains quite dwarf, 2"-3" tall, tiny miniatures of the large kinds. The pure white cushions show brightly against the green pads. Light or sunny position. *Opuntia microdasys alba*. Branched.....**35c**

Opuntia moelleri. Creeping, round joints white spines.....**40c**

O. opuntia. Native to the eastern states. Massachusetts to Virginia.....**50c**

O. polyacantha. From Colorado.....**60c**

O. fragilis. From Wisconsin.....**50c**

O. grandiflora. Free flowering. Blossoms 2 1/2" diameter yellow with reddish eye....**75c**

O. tomentosa. Tall trunked almost spineless tree. Red orange flowers. 4"-6" pads.....**75c**

O. basilaris alba. White Beaver Tail.....**50c**

O. bergeri. Large orange red flowers. Free flowering quick growing. Large pads.....**60c**



LEMON VINE

Though a true cactus few would suspect it. *Pereskia pereskia* has large leaves and waxy lemon scented creamy blossoms. In shipping it may drop its leaves which reappear. Potted.....**40c**

COPPER LEMON VINE

This handsome plant is a variety of the Lemon Vine. The leaves are of a coppery golden color. It should be placed in a very light position but not in full sun. Give it a rich, porous soil and more water than the Lemon Vine. *Pereskia godseffiana*......**60c**



OPUNTIA ACICULARIS

Handsome chestnut red glochids. Orange yellow flowers. Old pads grow more beautiful with added glochids. Be careful and handle only with vegetable tongs. Full sun, very sandy soil. Each.....**\$1**



BEAVER TAIL

When in bloom the loveliest of all California cacti. *Opuntia basilaris* has glorious rose-pink blossoms, each fragile petal like crumpled Chinese silk. Sandy soil with moderate watering sunny location. Each.....**40c**

OPUNTIA ASSORTMENTS

COLLECTION F8

5 pretty, dwarf Opuntias for the window garden including such types as Angel wings, Dominoes, Thimble Tuna, Bunny Ears, etc. Unlabelled.....**\$1.50**

WINTER HARDY PRICKLY PEARS

COLLECTION F9

6 Hardy Opuntias from Canada, Wisconsin, Colorado, New York and Texas. Small species for rock gardens. Labelled.....**\$2.50**

CONSOLEA

Tree-like Opuntias with round trunks. *Consolea falcata*.....**50c**
C. rubescens. Almost black pads.....**50c**

QUIABENTIA CHACOENSIS

Tall trunked plants, thick leaves, scarlet flowers. Stems round spiny.....**75c**

MAIHUENIA POEPPIGII

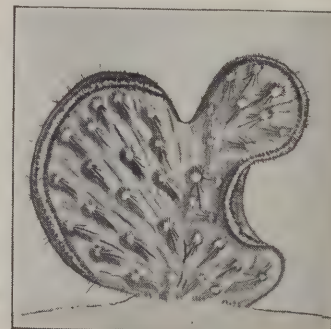
Small Patagonian cacti forming mats with persistent leaves. Flowers yellow. Each.....**\$1**

TACINGA FUNALIS

Tall wand-like canes with brown glochids. Flowers red. Brazil.....**\$1**

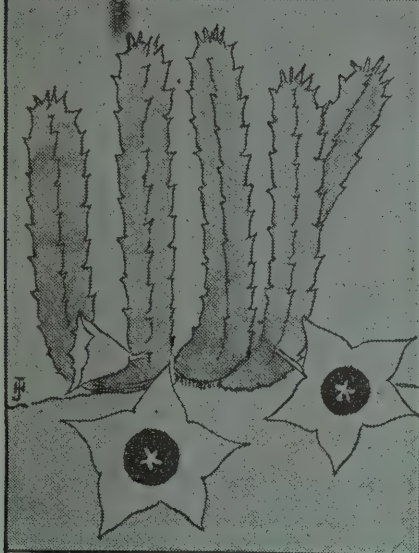
PTEROCACTUS FISCHERI

Rare, small, round stemmed cacti. Argentina.....**\$1**



CRESTED OPUNTIA

Crested or cristate forms of cacti are among the most interesting and unique of all with their odd convoluted stems. *Opuntia serpentina cristata* never loses its cockscomb growth. Nice crests **50c and.....75c**



RED DRAGON FLOWER

The pretty *Huernia schneideriana* bears delicately beautiful flowers with velvet red petals and black center. Flowers all summer. Moderate waterings. Nice plants. **40c**

MIXED CEREUS SEED

A mixture of various types containing *Le-maireocereus*, *Trichocereus*, *Cleistocactus*, *Cereus*, *Carnegiea*, *Eriocereus*, *Pachycereus*, *Cephalocereus* etc. Seed germinates in 7 to 21 days. Best germinating temperatures 70° to 75°. Per packet. **75c**

PARAMOUNT HYBRIDS MIXED

This seed has been carefully collected from 100 of my better Easter Lily Cactus hybrids. They are the result of crosses between *Echinopsis* and *Lobivia* bringing together the lovely colors of *Lobivia* with much larger, graceful flowers of *Echinopsis*. This has created a whole range of new colors not found in either *Lobivia* or *Echinopsis*. Shrimp pink, salmon pink, smoky rose, orange, red are all to be found. A good proportion of the plants should be well colored; all will have large lovely flowers. 50 seeds. **50c**

MIXED PINCUSHION SEED

Mamillarias are one of our specialties and this mixture contains a very pretty and representative group. They germinate readily and can be flowered in two years. You will enjoy them. Per Packet. **35c**

MIXED LIVING ROCK SEED

There are many kinds of Living Rocks and we have one of the finest collections in this country. All seeds offered are grown by us. *Pleiospilos*, *Lithops*, *Lapidaria* and many others are included in this selection. Some seeds are very tiny. Per Packet. **50c**

The NEW SAND CULTURE for CACTI

Hydroponics is the scientific name for growing plants in culture solutions. The new science is rapidly proving its worth and for the cactus enthusiast has especial points of interest. One may grow his plants in clean porous sand, thus greatly reducing the danger of overwatering. This is of particular interest to collectors who live in damp, foggy or rainy places. Many choice or difficult plants thrive under this treatment, for cactus roots when well fed enjoy spreading in the air filled sand.



VITAMIN B-1 JOHNSON'S OWN B₁ TABLETS For Use in Any Soil

Works miracles on Cacti and Succulents, often bringing refractory plants into bloom. Don't fail to use this wonder working solution. Better Homes and Gardens tests on cacti report wonderful success attained in flowering slow plants. Particularly valuable to stimulate new root growth after transplanting. 75 Double Strength Tablets with Full instructions. **75c**

JOHNSON'S SAND CULTURE KIT

COLLECTION H 23

Complete instructions on growing Cacti and Succulents in sand with nutrient solutions. Simplifies watering. Makes the most difficult desert plants of easy culture. Particularly useful where winters are long and damp.

Full instructions, 16-gallon package Plant Chem. 75 Johnson's B₁ Tablets, 50c package Cactus Food. **\$1.35**



CACTI and SUCCULENT SEEDS

Cacti and many Succulents are readily grown from seeds. Some fast growing species make attractive small specimens within a year but most are slower in attaining size. Seeds germinate quickly depending upon temperature. Many will be up in two weeks at 60°. Keep seeds wet until well sprouted. Full planting instructions with each package. We recommend our Jungle Mix for seed sprouting. Purchases of 50c or more of seed will be sent without packing or postage charge.

DE LUXE MIXTURE

A superb mixture made up of over 75 species. There are no weedy cacti included. They are collected from our own plants many requiring hand pollination. Our cactus seed is not to be compared with other offered assortments for it is not made up of native weedy kinds. The very small seed contains some of the prettiest kinds as *Parodia*, *Rebutia*, *Noto-cactus*, etc. Put up in two packets of fine and coarse seeds. The collection. **\$1.00**

MIXED CHIN CACTI

The *Gymnocalycium*s are charming, bright flowered globular cacti from South America. Easily grown, many flower over the entire spring and summer. Almost all flower the second year. Per packet. **50c**

STONE FACES MIXED

The Stone Faces or *Lithops* are the prizes of any collection. These handsome and entirely novel plants prove of interest to everyone. The seed germinates very quickly and easily. You will have seedlings within two weeks. After they are germinated put them in any airy, light window. About 100 seeds. **40c**

NOTOCACTUS MIXED

Notocacti are all colorful spined plants with large blossoms. None are too large for the small window garden and all have stood 20° without cold damage. They are a diverse group, easily grown. Mixture contains Golden Ball, Silver Ball, Lemon Ball, Sun Cups, Indian Head over a dozen species. Package. **50c**

CHOICE SUCCULENTS

A mixture containing many rare and interesting species of *Mesembrianthemums*, *Aloes*, *Anacampseros*, *Echeverias*, *Cotyledons*, *Crassulas*, etc. Seeds vary greatly in size. The tiniest dust-like ones are often the choicest ones. Sow with care. **50c**

MINIATURE CACTI SEED

A choice mixture of the finest toy cacti, including rare *Parodias*, *Notocacti*, *Gymnocalycium*s, *Mamillarias*, *Echinopsis*, etc. Fifteen or more of the prettiest small growing types. Full instructions for planting. Per Packet. **50c**

ACID PLANT-CHEM

Plant-Chem Acid Food. For acid loving plants. Good for Xmas Cacti, *Epiphyllum*s, etc., where water is alkaline. **30c**

PLANT-CHEM-SALTS

Now Grow Prize Cacti the Easy Way

Cacti grown in pure sand and watered regularly with this nutrient solution make a vigorous normal growth. Contains in scientific proportions the thirty chemicals needed in the growth of all plants.

16 gallon package. **30c**
100 gallon package, post-paid **\$1.20**
400 gallon package, post-paid **\$2.25**



CACTUS and SUCCULENT SOCIETY OF AMERICA



The Cactus and Succulent Society was organized more than 25 years ago to bring together those interested in these extraordinary plants and to publish a magazine which would provide a forum for the exchange of information and for the publishing of new species and scientific data. The Journal, under the competent editorship of Scott Haselton, has well achieved these aims, and today is the world's foremost publication about these plants.

Everyone is invited to join the Society and to receive this splendidly illustrated magazine. It has many articles on new plants, stories on exploration trips to new localities, articles on culture, news of affiliated Cactus Clubs in every region of the U.S. Everyone interested in Cacti and Succulents will continue to find this a most interesting magazine.

Membership and Journal— **\$4.00**
Six double issues a year. Europe, Africa and Asia. **\$4.00**

CACTUS SUPPLIES

JOHNSON'S CACTUS COMPOST

Mix With Your Own Sand and Soil

An economical compost for Cacti and Succulents which when mixed with equal or larger quantities of both sand and light loam makes a very suitable soil for all desert plants. Composed of our reclaimed sclerophyllous leafmold, lime, gypsum in the proper proportions for all potted cacti. A light and bulky mixture, the same as we use in our potting soils for both seedling and specimen plants.

384 cu. inches. **\$1.95**

(May be ordered separately postpaid)

115 cu. inches enough for 6-10 quarts of potting soil **75c**

HARDWOOD CACTUS CHARCOAL

Useful in keeping cactus soils sweet and aerated. Helpful in heavy soil.

Per Quart. Granulated. **50c**

ODDS and ENDS

COLLECTION F 15

We offer here an unlabelled assortment of Cacti and Succulents at a very low rate. After each packing and shipping day there are many plants left over, rare as well as common varieties. We offer these at 10 plants. **\$1.50**

CACTUS INSECTICIDES

ROTEX SPRAY. A safe spray for all Succulents and Cacti. Non-toxic to animals or humans. Rotenone, Pyrethrum and Pine Oil are the essential killing agents. For Mealy Bug, Scale, Aphis, Caterpillars, etc. Chart describing Cactus and Succulent pests with instructions for use, Rotex 2-ounce bottle. **75c**

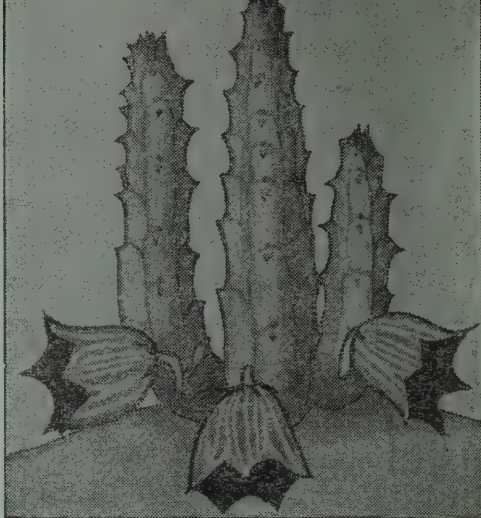
VOLCK SPRAY. An oil spray for Scale and Mealy Bugs. These insects have a waxy covering which repels water but is easily penetrated by oil emulsions. We have used Volck for years and find it safe and reliable. 4-ounce bottle with insect pest chart and full directions. **50c**

SUPPLIES for CACTI

VERY few things are needed by the beginner in cactus culture but interest and a desire to form a collection. Loam for potting your plants may be found in field or woodland. Scrape off the litter and use the top 6" of soil. Sandy soils are best. Clean



sand may be purchased from builders or pet stores. For the city dweller and more serious collector we are offering a few things that may make their culture easier. The supplies we offer are those we ourselves use.



JOHNSON'S JUNGLE MIX

A new type of cactus compost for epiphytic cacti which prefer a very open, porous type. Plants develop a vigorous, extensive root system seldom seen in other composts. Expressly for Xmas Cactus, Easter Cactus, Rhipsalis, Chiapasia, Selenicereus and all epiphytes. It is also unexcelled for rooting all cacti and succulent cuttings. It may be easily modified into the finest potting soils you ever used for Philodendrons, Begonias, African Violets and all tropical house plants. It should be kept much more moist than old style composts as it dries rapidly. Full instructions for use or modification.

Per bag 120 cubic inches (with orders) 75c

6 quart box. Postage free.....\$2.00

West of Mississippi River \$1.75

JOHNSON'S CACTUS FOOD

A very effective fertilizer with a good organic base the ingredients of which are blended and proportioned to help your plants make normal, matured flowering growth. It should be scattered over the soil, a level teaspoonful to a 4-inch pot, two or three times during the growing season after the plants are well established. Use only during the growing season. Light applications once a month are more effective than heavy applications.

12 ounce bag 50c

2 pound bag\$1.00

OUR SPECIAL CACTUS LEAFMOLD

A reclaimed, sclerophyllous desert leafmold, sifted, light and dry. Mixed with equal parts of both sand and loam, it makes a fine, economical cactus soil.

115 cu. inches enough to make 6-10 qts. potting soil..... 75c

CACTUS HELPS

COLLECTION \$ 100

Items to make the growing of your plants easier and more enjoyable. Included here are all the things to root and grow your plants except loam and sand. Sand may be purchased from poultry houses or builders. Loam from garden or hillside.

Book, "Cacti and Succulents and How to Grow Them."

75c package Johnson's Jungle Mix.

Johnson's Cactus Food.

Johnson's Cactus Soil Conditioner.

Quart of Cactus Hardwood Charcoal.

20 double strength B₁ tablets.

50 Painted Wooden Plant Labels.

7 Items to Make Cactus Growing Easy. Postpaid..... \$3.00

PLASTIC LABELS

Permanent labels for plants poses a very difficult problem for the collector. Wooden labels while quite satisfactory do not of course last indefinitely. These plastic labels last for many years and outside of copper or zinc labels, which are difficult to affix to the plant, are the best solution I have found to date. Lead pencil writing lasts very well indoors or in the greenhouse. Outdoors it eventually weathers off. Grease pencils are useless. Water proof India drawing ink has proven the best medium for permanent labeling.

3 1/2"x1/2". Plastic pot labels. Per 100 \$1.25

4 1/2"x3/8". Large, shaped labels for outdoors or pots. Per 100.....\$1.75

JOHNSON'S CACTUS SOIL CONDITIONER

Of great assistance in keeping cacti in good health, it is designed to add the minerals ordinary garden soils often lack. Desert soils are often high in mineral content, for there is little rain to leach them away. A spoonful of my Conditioner placed about a Cactus plant and stirred lightly into the soil will often bring an ailing one back to health. Mix it with your potting soils.

Small Size, 10 Ounces, Postpaid..... 50c

Large size, 26 Ounces, Postpaid.....\$1.00

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KENYA DRAGON FLOWER

A pretty Dragon Flower with dark crimson-red, bell shaped flowers. Huernia keniensis is an easy and vigorous grower and blossoms from spring to cold weather. 35c

TERMS

I GUARANTEE SAFE DELIVERY

Anywhere in the U. S. or Canada

During the cold months of December and January we do not like to ship east of the Rocky Mountains. Packages also get rough handling during the Christmas mail rush. We do ship to the Pacific Coast and South Western States all year.

50c packing and postage charge on orders of less than \$2.50 due to increased costs.

★ 10% postage charge on orders of from \$2.50 to \$5. Thus add 25c to \$2.50 or 30c to \$3 orders. This is generally only part of actual postage.

★ FREE delivery on orders of \$5 or more.

How to remit: By check, postal note, money order or postage stamps of large denomination. 50c and \$1 stamps accepted.

No. C.O.D. orders accepted.

How we ship: By Parcel Post which delivers direct to your door. All plants are passed by State Horticultural Inspectors to insure freedom from insect pests. They are packed by experts in specially made cartons insulated from cold and clearly marked "Rush—Perishable Tender Plants."

OUR GUARANTEE is for safe delivery of clean, healthy stock correctly labelled. We cannot undertake to make good plants lost through improper care. If plants are injured in transit and we are notified at once we will give credit for all damaged items to be replaced with your next order.

FOREIGN SHIPMENTS

We ship regularly to practically every country not in the communist zone. We are familiar with most rules and regulations and with customs requirements and you will have no trouble with our shipments.

Cacti travel well via parcel post. Succulents should go by air freight only.

Postage charges are 30c per pound due to new increase. To figure weight of plants: 6 plants per pound including packing materials. Minimum foreign orders (not including Canada) are \$5.

JOHNSON'S VITAMIN B₁

For all house plants. Page 17.

ROOTWELL

Want to raise Cactus cuttings? Our new hormone powder for rooting refractory cuttings of all kinds designed particularly for quickly rooting Cacti and Succulents. Sterilizes the cut surface and induces luxuriant growth of roots. Apply dry with finger to fresh cut.

Full Directions. Per Package.....60c

IT WILL GREATLY ASSIST US IN PROMPTLY FILLING YOUR ORDER



Johnson Cactus Gardens

PARAMOUNT, CALIFORNIA

1958

HAIRY STARFISH FLOWER

NAME _____ DATE _____STREET or P. O. Box _____CITY _____ STATE _____

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★ Orders from \$2.50 to \$5 add 10% for postage.

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CACTUS BOOKS

These fascinating plants have a most interesting and comprehensive literature. You are missing half the pleasure of this amazing hobby if you do not have these illustrated and instructive reference books to turn to when you want to learn further about your acquisitions or intended purchases. You will learn more about the countries from which they come, about the conditions under which they grow and what other amateurs have learned about them. There has been a greatly stimulated interest in these plants since the termination of the war and many new books have appeared and many more are in contemplation.

Foreign book shipments. Please include 10% extra for extra packing and postage.

CULTURE FOLDERS

A series of small folders in which I have described the general cultivation of special groups of Succulents, etc.

Stonefaces and other Mimicry Plants. Their culture and other notes.....15c

Starfish Flowers. How to care for a collection, propagation, etc.15c

Euphorbias. Their culture and growth.....15c

Mexican Succulents. Echeveria, Pachyphytum, etc. Their care.....15c

Orchid Cacti and other shade-loving Cacti. Their care and flowering.....15c
SET OF FIVE POSTPAID.....50c

CACTI. By J. Borg

The most complete book in the English language on cacti. 1500 species fully described, 129 pictured. 12 short chapters on culture, etc. 488 pages. 1956 edition \$7.50 postpaid.

SUCCULENT PLANTS. By Jacobsen. The most complete book in English dealing with succulents other than cacti. Describes 1091 species with culture. Alphabetically arranged for quick reference. 300 pages, 277 illustrations. A splendid book \$7.50 plus 20c postage.

EPIPHYLLUM HANDBOOK. Learn to know and enjoy your plants to the fullest. The pictures alone tell the complete story of these fascinating plants. 170 photos, 250 pages. \$3.85 plus 15c postage.

SUCCULENTS FOR THE AMATEUR. A beginners handbook introducing one to 800 of the most interesting kinds. Full cultural notes. 171 pages and a color plate showing 78 kinds plus 400 illustrated by large photos. Cloth bound \$3.50 plus 12c postage.

CACTI FOR THE AMATEUR. Answers your questions on watering, soils, grafting, seed sowing, potting, etc. 142 pages, 160 photos and a color plate showing 110 beautiful kinds. Cloth bound \$3.50 plus 12c postage.

PHYLLOCACTUS. (Orchid Cacti). Knebel. A fine, sensible book on the culture of Epiphyllums (Phyllocacti). Propagating, hybridizing with descriptions of Knebel's hybrids. Paper cover. \$1.00 plus 8c postage.

THE ALOES OF SOUTH AFRICA. 650 page monograph by G. W. Reynolds describing 132 species with 70 full page colored plates and 572 excellent photographs. A beautiful, thorough work. Cloth. \$11.50 plus 30c postage.

THE STAPELIEAE. A handsome, beautifully illustrated 3 volume work on the Star Fish Flowers, Dragon Flowers and their allies. 1233 excellent photos, 1200 pages. Buckram. \$12.50 plus 52c postage.

THE EUPHORBIEAE. The South African succulent Euphorbias. 1100 handsome photos and color plates, 1000 pages, 2 volumes. Buckram. \$12.00 plus 48c postage.

THE CACTACEAE. Marshall and Bock. Supplementing the work of Britton and Rose illustrated keys of the 146 genera, 165 excellent photos. A "must" for the student. \$7.50 plus 20c postage.

WHAT KIND OF CACTUS IZZAT. An amusing book of cartoons by Reg Manning. True botanical facts are presented with a chuckle on every page. Your friends will better understand your weakness for cacti! \$2.40 plus 8c postage.

THE DESERT MAGAZINE. A monthly magazine devoted to south western deserts and desert life. Handsomely illustrated. If you are interested in natural history you will look forward to the postman. Per year \$3.50.

GLOSSARY OF SUCCULENT PLANT TERMS. Woods. Very useful book. Tells how to pronounce their names, their meanings and technical terms used in descriptions. Authentic. 300 illustrations, 112 pages. \$3.50 plus 15c postage.

THE MAMILLARIA HANDBOOK

A complete book about these interesting cacti. 390 pages, 300 fine photographs and descriptions of all known species. Complete bibliography and indexed list of all published names for the past 150 years. By Dr. Robert T. Craig. \$10 plus 15c postage.

ARIZONA CACTUSES. Marshall. 100 pages with illustrations and non-technical keys of the cacti of Arizona. 64 species and 44 varieties described. \$1.25 plus 8c postage.

CACTUS GROWERS GUIDE. Higgins. An English book on cultivation and propagation of cacti and succulents. Excellent. \$1.50 plus 8c postage.

COLORADO CACTI. 75 pages, 46 excellent illustrations. \$2.50 plus 8c postage.

UNUSUAL PLANTS. 110 5"x7" plates of Succulent Plants. Beautiful photographs properly labelled of a wide selection of these interesting plants. By J. R. Brown. 220 pages handsomely bound. \$4.50 plus 20c postage.



TIGER JAWS

The *Faucarias* are easily grown old favorites. Their curious, toothed leaves and cheerful yellow blossoms in the fall, insure them a place in a every collection. Small 35c. 50c

PINCUSHION CACTI

or MAMILLARIAS

PINCUSHION Cacti are at home in the window garden. They never grow out of bounds and mature flowering specimens are easily grown in small pots. It is surprising how nature produces so many variations on a single theme. Certainly in the Mamillarias she has extended herself. Some are tiny globes, some grow 4' tall, some are solitary, some form clusters, others great mounds with over a hundred heads. There are snowy white ones, yellow, golden and green. Some have long silky hair or snowy plumes, strong hooked spines or stellate clusters. Many bloom in winter. There are tiny flowers others almost dollar sized. White, pink, red and yellow flowers.

CULTURE. The greater number do very well with ordinary care. A sandy loam soil that drains quickly as like all cacti they resent wet feet. They prefer a sunny window not too far from the glass and when possible plenty of fresh air. Water only when soil is dry which is a good rule for almost all cacti and succulents. If you can, in summer put them outdoors to mature the growth. Fertilizer should be lightly applied only in summer.



ROSE PINCUSHION

The bright and charming Mamillaria zeilmanniana is one of my prime favorites. It is a very heavy bloomer and remains in flower several weeks. Even tiny plants always flower. Sun or partial shade. Large 2 years **75c**
Nice flowering size..... **50c**

VARIOUS MAMILLARIAS

- Mamillaria albescens. Clustering..... **50c**
- M. albicoma. A rare beauty with snowy white silky hair, white flowers..... **\$1**
- M. angularis. Red Flowers embedded in white wool. Flowering size 4 years **\$1**. Small..... **40c**
- M. armillata. Rare..... **75c**
- M. aurihamata. White hair long yellow hooked central spine..... **50c**
- M. baumii. Photo page 28.
- M. bicornuta. Large Clustering species 2"-2 1/2" flowering size..... **75c**
- M. brandegeii. Rare. Baja California..... **75c**
- M. brauneana. Scarce. Pretty plant white spines 1 1/2-2"..... **75c**
- M. bravoae. Handsome species with short spines the red flowers from axils filled with soft wool. Large flowering 5 years..... **\$1**
- M. bucareliensis. Rare 1 1/2"..... **75c**
- M. bullardiana. Forms nice tall clusters with white flowers. Rare..... **75c**

MEXICAN JEWEL COLLECTION No. F10 These four pretty and easily grown Pincushions may be planted in individual 2 or 4 to 5 inches in diameter for a Dish Garden. They all do well in any well lighted window with moderate watering. The set for only **\$1.10**

POWDER PUFF (Mamillaria bocasana)

Like a bursting cotton ball, this little plant is clothed with silky, snow-white hair instead of spines, though it bears one tiny hooked one on each slender nipple. Cream colored flowers followed shortly by very attractive bright red, long, curved seed pods. A jewel among cacti. Very easy to grow in a well lighted window. Sun or partial shade, moderate watering. Flowering and fruiting specimens large **\$1**. Small **35c**. Nice 3 year old flowering..... **50c**



- Mamillaria calacantha. Very pretty species 1 1/2"..... **50c**
- M. candida. **SNOWBALL PINCUSHION.** Plant pure white with closely set spines..... **60c**
- M. chionocephala. Pure white spines crimson flowers. Nice 4 year old..... **50c**
- M. compressa. Mother of Hundreds. Forms large mounds. Red flowers..... **40c**
- M. confusa. Rare 2 1/2-3"..... **\$1**
- M. coronaria. White spines..... **50c**
- M. ebenecantha. Yellow flowers..... **50c**
- M. erythrosperma var. similis. Handsome pink blossoms freely borne. A beauty forming many headed clusters. Clustered..... **40c**
- M. flavovirens. Many small nipples, spines short. Much white wool. Flowering..... **75c**
- M. fragilis prolifera. Cute. Produces many small plantlets to give away..... **35c**
- M. fuliginosa. Makes a fine large single headed plant. Flowers bright red..... **35c**
- M. geminispinia. Handsome much branched species with pure white spines. Flowers red bedded in white wool. Charming. **75c** and..... **50c**



FISHHOOK PINCUSHION

A quick growing, free flowering species. Mamillaria pygmaea is always a favorite. The spines are harmless, one tiny hooked one tops each nipple. Flowers abundantly over a long period in the summer followed by numerous bright red seed pods. Grows and flowers in sun or shade. Sandy soil with moderate waterings. Nice 2 year old plants..... **50c** each.....

LADY FINGERS

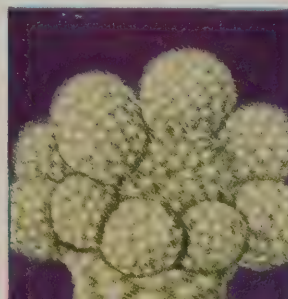
Mamillaria elongata schmollii
A dainty gem and so easy to grow. Each little plant is a bright mosaic of golden yellow harmless spines. Quickly forms fine clusters. **35c**
Clusters **50c**. Small..... **35c**



THIMBLE CACTUS

Mamillaria fragilis

Like the "old woman who lived in a shoe," this little cactus has more children than she knows what to do with. Pure white, harmless spines and very little baby will quickly grow. Each..... **35c**



RUBY DUMPLING

A quick growing cactus with bright red flowers and, with maturity, a hoary white head. A long time favorite. Large specimens **\$1**. Smaller flowering **50c**. 1 year..... **35c**



CORAL CACTUS

The Coral Cactus (Mamillaria heyderi) is one of the prettiest with its circlet of coral-red berries and charming cream flowers. The berries burst forth ripe and scarlet taking only a few days to appear. Mature fruiting 2" to 3" specimens each..... **50c**

Mamillaria glochidiata. Very handsome, clustering, small species with long slender nipples, harmless spines. Lovely large pink blossoms. Fine! Each..... **50c**

Mamillaria hamilton hoytae. A handsome single headed species that may reach 9" in diameter. Flowers pale red embedded in white wool. 4 years old 2"-2 1/2"..... **\$1**

M. haseltonii. Very near to M. hahniana. A large white hairy species with red blossoms in late fall. Large 5 years..... **\$1.50**

M. herrerae. **GOLF BALL.** Snowy white with fine harmless spines..... **\$1**

M. ingens. A new species. Each..... **50c**

M. kewensis. A tall growing species with hoary white head in age and brilliant red blossoms..... **50c**



A PENNSYLVANIA COLLECTION

Mrs. Robert McClelland of Barnesboro, Pa. has a very nice collection many of which she bought from us during the past ten years. She has also raised many from seed from our gardens. She has been quite successful in flowering her plants. You will notice they are put outside during the summer.



SILKEN PINCUSHION

One of the daintiest of cacti *Mamillaria bombycina* is truly an exquisite plant. The nipples are arranged in perfect spirals each tipped by 30-40 white radial spines and central hooked one. The tops of the plants are snow white from the abundant wool which fills the nipple axils. The flowers are a charming shade of pink. This pretty Mexican species is easily grown and branches freely forming handsome specimens. Light or sunny position and rich but porous soil. 4 year old specimens \$1. Nice 75c and.

50c



GOLDEN STARS

The lovely popular *Mamillaria elongata* should be in every collection. Spines bright yellow. Very easily grown and branches freely the first year soon making a nice specimen. Flowers yellow, fruit red. Sun or shade. Small single stems 35c. Nice branching.

50c

- M. kunthii*, 2" plants.....\$1
- M. lloydii*, Many short nipples....90c
- M. magnimamma*.....50c
- M. martinezii*, Each.....40c
- M. mazatlanensis*, Rare.....50c
- M. melanocentra*, Large pink flow-
ers.....50c

MAMILLARIA DEALBATA

A white spined variety forming clusters. Blossoms bright red followed by scarlet fruits. Easily grown in a sunny window with moderate watering. Nice 35c. 4 year flowering.

50c



MAMILLARIA PERBELLA LANATA

Pink flowered Pincushion forming clusters by the heads forking into two or three thus making compact rounded specimens, with age. The rose-pink blossoms have a stripe down each petal and though small there are many of them. 2 1/2"-3 1/2" \$1 Small 1".....

35c

MAMILLARIA DURISPINA

A nice, rather large, variety with brown and buff spines and pretty red flowers during spring and early summer. Plants may reach 10" in height 3"-4" in diameter. Give it a rich soil and full sunlight to flower best. Large specimens flowering \$1.50. Nice plants 1 1/2"-2".....

50c

MAMILLARIA COLOMBIANA

A very rare Pincushion and the one found farthest south in South America. Pale yellow spines the nipple axils filled with wool. A pretty plant for the collector. The white felted crown is conspicuous, the flowers pink. Give liberal culture. Nice 1 1/4".....

75c

M. microhelia. Pretty yellow spined species with pink or yellow flowers. A pleasing cluster forming species. Nice 4 year old plants.....

50c

M. micheana. A very pretty finger-like species with straw yellow spines. Forms many headed small clusters.....

50c

M. multidigitata. New.....

75c

M. mutabilis. Mixed light and dark spines. Red blossoms. Fine species.....

50c

M. nigra. Lively red flowers. Tall growing species with hoary head when mature. Each.....

50c

M. nunezii. Tall pale yellow spined species. Red flowers. Specimens 3" \$1. 2".....

60c

M. pentacantha. Rare. Black spined red flowers.....

50c

M. perbella. Cluster forming by the heads dividing. White spines pink flowers. 2-3 heads.....

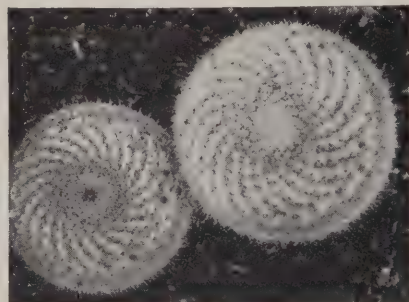
\$1

M. perbella lanata. Nice white spined species 2 1/2"-3" 5 years \$1. Smaller.....

35c

M. pringlei. Handsome bright yellow spined species. Lively red blossoms. 2" 80c. Smaller.....

50c



DIADEM CACTUS

Don't fail to have this lovely flowering cactus. The bright carmine flowers are a beautiful crown nestling amongst the white wool and dark spines. *Mamillaria werdermanniana* flowers in mid-winter and always attracts attention. Small 35c. Small flowering size.....

50c

M. pringlei columnaris. Distinct columnar. 2"-3".....

90c

M. pyrrocephala. Fire Crown. Large brilliant carmine flowers. Blooms for many months.....

50c

M. ritleriana. Handsome specimens. 2 1/2" \$1. 1 1/2".....

65c

M. saetigera. Rare species.....

75c

M. scheldonii. Rare. Nice 1"-1 1/2".....

75c

M. schiediana. Rare.....

75c

Mamillaria schmollii. A much branched white species.....

50c

M. seideliana. Attractive scarce species. 2 1/2".....

75c

M. sempervivi. Pink flowers. 1"-1 1/2".....

75c

M. sphacelata. Rare caespitose species with slender white spines central tipped black. Each.....

75c

M. supertexta. White plant. 1 1/2"-2".....

75c

M. trichacantha. Large white flowers. Hooked spines. Each \$1.25. Small.....

50c



FEATHER CACTUS

Certainly one of the most unique and pretty of cacti. *Mamillaria plumosa* has its spines transmuted into curling feathers. Snowy white and as soft as down they completely cover the plant. Easily grown in clean sand with a little leaf-mold added. A bright airy situation protected from noonday sun. Large clustered specimens \$5. Smaller clusters \$1 to \$2.50. Small 1" plants each.....

50c

M. surculosa. Thickly clustering, long nipped species with curling, harmless spines and large bright yellow flowers.....

50c

M. trohartii. 2"-3".....

90c

M. vaupelii. Handsome red and yellow spined. 1 1/2" to 2".....

60c

M. viereckii. Rare. Slender nipples. Each.....

75c

M. viperina. Slender, yellow, finger-like stems.....

50c

M. wiesingeri. Bright red blossoms. Tall. 1 1/2".....

50c

M. echinata. Yellow spines. Clustering heads.....

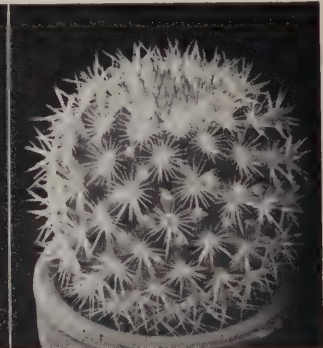
50c



CORYPHANTHA RADIANIS

Bears large 2 inch yellow blossoms. Plants with large nipples and stars of white or yellow spines. Require the same care as Pincushion Cacti. Give them a sunny location and a nice rich but porous soil. Nice plants.....

50c





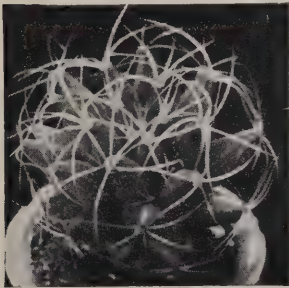
MAMILLARIA CELSIANA

A very attractive species with yellow spines each nipple with a woolly axil. Flowers bright red-pink. With age forms most beautiful large clusters. Specimens 2 1/2" to 3 1/2" \$1.25. 3 years 2" 75c. Nice 1 1/2" 50c

JOHNSON'S CACTUS SOIL CONDITIONER

Useful in keeping plants in health.

Small bag 10 oz.60c
Large 26 oz. bag.....\$1.00



BIRDS NEST

Curling, feather, yellow spines that are papery, soft and harmless. A quick growing plant that soon forms nice clusters. Individual heads up to 2" in diameter. Mamillaria campotricha grows well in sun or part shade. A light sandy soil and moderate waterings. Small. 35c. 3 year clusters. 75c. Nice plants.... 50c

SOLISIA

A small, globular, Mexican cactus the elongated areoles bearing short, white, appressed spines. The plants are from 1/2" to 1" in diameter, blossoms pink. A rare, slow growing plant. Give it a rich porous soil, full sun and keep on the dry side. Solisia pectinata..... \$1.25



YELLOW RAINBOW PINCUSHION

The varieties of Mamillaria rhodantha are very variable. They have charming ruby red blossoms and this one has clear yellow spines. They are first solitary and are fat golden columns. Large 4 year old 75c 50c
Nice 1"-1 1/4".....



MAMILLARIA BAUMII

This pretty clustering Pincushion has nice yellow flowers produced during the summer time. The plants have almost tuberous roots and very pale yellow spines. A slow growing species the heads an inch in diameter and clustered closely. A rare collector's item..... 75c

CACTUS MAGAZINE

The Cactus and Succulent Journal is published every other month by the Cactus and Succulent Society of America. Join the Society and receive the Journal which has a Question and Answer section, articles on culture, travel, new plants, etc. Send subscription to us. Per year\$4.00



JELLY BEANS

A small variety of the Thimble Cactus. Mamillaria fragilis minima bears many branches each of which will make a new plant... 35c

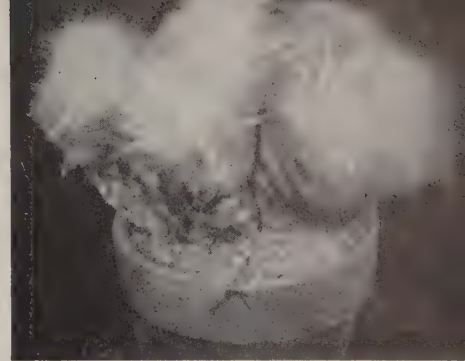
MAMILLOPSIS SENILIS

A very lovely and interesting genus from the high mountains of Mexico. Related to the Mamillarias but with large red flowers 2"-2 1/2" across and long in length. The plants covered with flexible white spines and with age form clusters of several heads. In the wilds they are often covered with snow in the winter. Give them a porous soil, sand and leafmold is suitable and a sunny but not too warm position. Moderate watering..... \$2



AN ARKANSAS COLLECTION

Mrs. Gladys Purdin of Jonesboro, Arkansas has about 100 varieties of cacti and succulents. She writes that this year they had the most beautiful flowers she has ever seen. A collection of cacti is a most interesting hobby.



OLD LADY CACTUS

Mamillaria hahniana is an old favorite, a worthy consort of the Old Man Cactus. It bears curly white hair. Old plants become covered with long white hair. It is lovely in fall and winter when the bright red blossoms form a colorful ring about the crown each embedded in white down. It flowers with us outdoors even in freezing temperatures. Easy to grow in a sunny, airy position. 7 years old flowering specimens 3" each \$2.25. 2"-2 1/2" \$1. 1 1/2"..... 50c

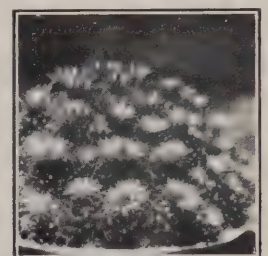
SUPERB OLD LADY CACTUS

This variety Mamillaria hahniana superba has silken hair, longer and whiter than the species. Even small plants have abundant hair. It grows more slowly than the species. A nice plant. 2"..... \$1.10



GRAPE CACTUS

This tiny cactus bears an endless quantity of "pups" each one of which will grow. Grows easily in sun or shade the cream flowers followed by scarlet berries. 35c
Clusters.....



BUTTER PINCUSHION

Lovely large shining yellow blossoms. Dolichothele sphaerica bears long nipples which grow if planted. Forms nice clusters and blossoms freely if well rested in a cold room during winter. Nice plants 35c. Cluster \$1.25. Flowering size..... 50c

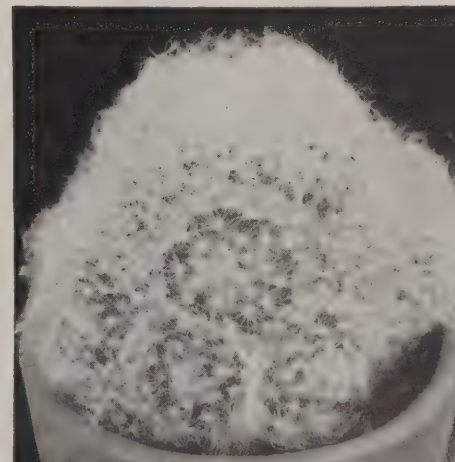
DOLICHOTHELE

Related to the Mamillarias but with larger yellow blossoms and the nipples not in spirals. They like a rich porous soil and a sunny location. One species is found in Texas.

Dolichothele longimamma. A Mexican species with large butter yellow blossoms.....50c
Dolichothele sphaerica. See photo above.

HUMMEL'S POWDER PUFF

Differs from the popular Powder Puff as it offsets all the way up the plant thus forming a conical, tall, tight cluster. Distinct and beautiful, pure white. Quick grower soon making a nice specimen. Nice many headed clusters, \$1. Small clusters..... 50c



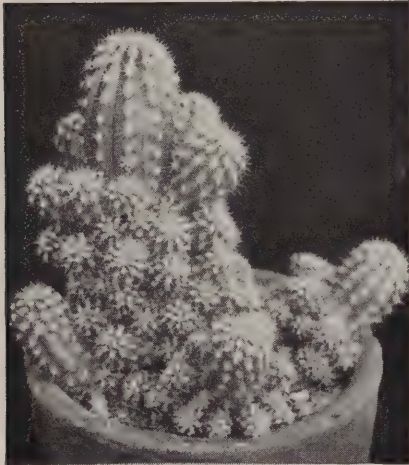
ECHINOCACTUS

This large group of cacti has been split into many smaller groups called genera. Mostly they are ball or barrel shaped only growing columnar with great age. Some of the cacti listed here are more closely related to the cerei but due to their shape and culture are included for convenience. They vary greatly in many ways. Some are tiny plants, marble size, others may be several feet tall and two feet through at maturity. They are found in either North or South America from Washington to Patagonia. Few of the genera are found on both continents. The North American genera include the true Barrel Cacti i.e. Echinocactus and Ferocactus and such others as Astrophytum, Ariocarpus, Leuchtenbergia, Hamatocactus, Ancistrocactus etc. South America abounds in them having many beautiful kinds as Notocactus, Gymnocalycium, Neoporteria, Islaya, Oroya etc. Among both North and South American kinds are many smaller less known genera many of which you will find listed here. They are just as distinctive as the larger genera. Almost all the kinds have the ribbed stems. Since during the rainy season they must store a large amount of water this accordion effect allows them to swell up without bursting. The water is usually stored as a mucilaginous sap which the plant can draw upon during periods of drought. A few are found on hot sandy deserts but a great many are native to mountainous regions in brushlands or dry forests. Some of the Andean species grow at almost 15,000 feet.



STRAWBERRY CACTUS

A free flowering Texas plant seldom without flowers in summer. Hamatocactus setispinus grows so easily it is a great favorite of all. Sun or part shade. Should stand low temperatures. Small 35c. Flowering size 75c and..... 50c



ECHINOPSIS LILLIPUT

A very much branched pygmy form of the Easterly Cactus. The photograph is about natural size. You can raise young ones from the many offsets. Each 2 years..... 60c

TOM THUMB

Parodia aureispina should be a "must" for even the smallest collection. A jewel with lovely golden spines and flowers. Even tiny plants flower. Part shade or sun. Grows easily and quickly. Very choice. Large 2 1/2"-3" \$1.25. Smaller 2"-2 1/2" \$1. Small 35c. Nice flowering..... 50c



VIOLET SEA URCHIN

A lovely flowered small cactus blossoming profusely several times in late spring and summer. The flowers of Acanthocalycium violaceum are particularly bright and shining. They flower when 1 1/2" to 2" in diameter which they reach the third year seldom exceeding 3" in diameter. Strong rooted plants they grow readily in sun or part shade flowering best if grown in full sun. Give them a rich but porous soil and moderate watering. Native to Argentina. Small plants 35c. Nice 5 year old flowering specimens \$1.25. 3 year old flowering size..... 50c

CACTUS SEEDS

See page 17 for various mixtures of Cactus and Succulent seeds. Interesting to grow. Directions on how to sow them are given with each seed order.



CHAPLET CACTUS

A pretty plant of dark blackish green, when fully grown the size of an orange. In late spring it produces a circle of white blossoms and in summer large, red fruits. Strong spined, Gymnocalycium delaetii, is very "cactusy" looking, a fine specimen type. Large flowering 6 year old specimens \$1.50. Smaller plants 40c. Nice 1 1/2" plants 3 years old..... 60c



ROSE PLAID CACTUS

Gymnocalycium friederickii is our most popular cactus. Blooms all spring and summer. Handsome plant striped copper and green! Blossoms large, clear deep pink. Flowering..... 50c

MILA

Small cespitose plants with finger-like stems the low ribs bearing stellate clusters of short spines. Flowers yellow. From Peru.

Mila alboareolata. Stems 1" diameter to 6" long..... \$1

Mila caespitosa. Many small stems..... \$1

Mila senilis. White spines..... \$1.25

Mila robusta. Thick stems..... \$1.50



SILVER BALL

An elegant silvery spined small cactus that always attracts attention. Notocactus scopae grows well under varied conditions. Bright lemon yellow blossoms which expand flat in the sunlight. Porous soil, moderate watering, sun or part shade. 5 year old flowering specimens \$1. Small 35c. 3 year old..... 50c

CULTURE

MOST of the Echinocactus group require much the same general care. They like an open porous soil through which surplus water quickly drains away. The compost should not be composed of fine silt-like particles. Some coarse material such as charcoal, gravel, spongerok (perlite), peatmoss, etc. will help to keep the compost open. Open composts allow free penetration of air to the roots. Under these conditions rot becomes unlikely if plants are kept a little on the dry side. A good soil compost is composed of 1 part crumbly loam, 1 part clean coarse sand and 1/2 to 1 part coarse leafmold or peatmoss to which may be added some perlite or coarse granulated charcoal. Every fancier has his own special mix so you may vary your composts to meet your own needs or limitations as the plants will thrive under many different conditions.

Light. The plants prefer a sunny location or window or at least a very light situation. In dark places they cannot be expected to flower though they will live.

Watering. Water moderately at all times. Let them dry out between waterings. Remember they come from dry regions. Give more water in summer.

ASTROPHYTUM

To this fine group belong some of the most popular and pretty cacti found in Mexico. They are very satisfactory growing under many kinds of treatment. They need an open, sandy soil and a sunny, airy location. Will stand temperatures to 15° above zero. Water only when dry.

Astrophytum asterias. SAND DOLLAR.

Astrophytum capricorne. See color plate page 29.

Astrophytum ornatum. STAR CACTUS. See photo page 29.

A. ornatum mirbellii. Whiter variety.....75c

A. myriostigma. BISHOP'S CAP. See color photo page 29.

A. myrio. coahuilensis. An unique variety with much closer set white stellate hairs, nice yellow blossoms, seed pods reddish. Smaller in growth than Bishop's Cap. **Large flowering size 2"-2 1/2" \$1.** Smaller flowering size.....50c

A. myrio. columnaris. Unique, tall slender variety quite white. 2"-3".....80c

A. myrio. nudum. Almost hairless green variety. Each 2"-3".....\$1

A. myrio. tamaulipensis. Large white variety with large flowers. 1 1/2" to 2" specimens90c

AREQUIPA

A fine group from northern Chile and Peru. Culture as for Notocactus.

Arequipa hazelae. A new species from Peru. Flowers crimson, long, tubular with expanded limb. Plant to 4" clustered. 1 1/2" each\$1

AZTEKIUM

A rare, collector's plant 1"-2" in diameter, spineless with tiny ridges. Needs full sun and a very porous soil watering only when dry. Flowers pale pink.

Aztekium ritteri. The only species. Mature flowering imports each.....\$2

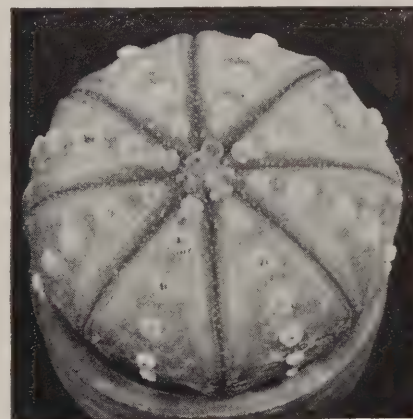
GOLDEN EASTER LILY

Handsome bright yellow blossoms opening freely in the spring. *Lobivia aurea* is one of the choice cacti for pots. A vigorous grower liking a good loam soil with moderate waterings and almost full sun. It may grow to 2 1/2" in diameter. **Small 35c.** Nice flowering 3 years old.....**50c**



PINK CROWN

Rebutia violaciflora is a very easily flowered variety for early spring. The blossoms are much brighter than the picture shows. It flowers from January to May. Give it a sunny or partly sunny location and moderate waterings. Clustered specimens **\$1.25.** Nice flowering.....**75c**



SAND DOLLAR

Astrophytum asterias

Entirely spineless, freely bearing 2" yellow blossoms with red throat. Likes a very sandy soil, watering lightly only when dry. Sunny location. Very scarce. 2 1/2"-3" each **\$1.25.** Flowering 1 1/2" to 2".....**90c**

CACTI By J. Borg

The most complete book in the English language on cacti, 1,500 species fully described, 488 pages.....**\$7.50**



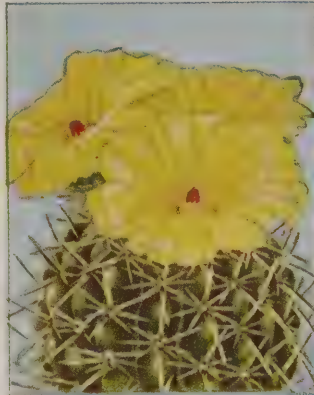
FRILLED LACE CACTUS

These plants bear gaudy, bright rose-pink blossoms 2"-2 1/2" across. They flower freely several times during the summer. Plants conical 2"-3" tall. In the wilds they take below zero weather. *Echinocereus fitchii* is charming. **Small 35c.** 50c Flowering.....



WHITE CHIN CACTUS

Should be in every collection. A real spiny plant with black, curved spines. Charming white blossoms in June. *Gymnocalycium schickendantzii* is easily grown, sandy loam, moderate watering, sun. Mature blooming specimens 5 years \$2. Smaller blooming \$1. Nice plants.....**50c**



LEMON BALL

Our larger sizes can be shipped in bud in early spring. *Notocactus submammulosus* is a must for the beginner. Stands lots of cold. Rich porous soil, moderate waterings. Mature blooming 5 year old **\$1.50.** 3 year \$1. Small 35c. 2 year.....**50c**



GLORY OF TEXAS

Gorgeous crepe-like, brilliant pink blossom 2"-2 1/2" across. Blooms from spring till fall. Our plants are all mature flowering specimens with dormant flower buds. *Thelocactus bicolor* likes light soil or sand with leafmold, moderate watering. Specimens 75c. Nice 2" flowering.....**50c**

QUARTET COLLECTION F11. Four Fine Flowering Cacti.....\$1.45



ORANCE COB CACTUS

A handsome flowered plant *Lobivia famatimensis* is quite variable in flower color ranging from yellow to crimson. The large blossoms have petals like crepe-de-chine. It enjoys a rich porous soil and generous treatment. Give it a sunny airy location. The roots are large, semi-tuberosus so in winter give it a good rest to secure the most bloom. Large 4 year old blooming specimens **\$1.25**. Nice 2 year old plants. **50c**

ANCISTROCACTUS

Conical cacti to 6" tall having rather thick roots and long hooked spines. Native to Texas and Mexico. Of easy culture.

Wait-a-Bit. *Ancistrocactus scheerii*. The long central spine is hooked. This easily flowered plant likes a sunny location. 2"-3" **60c** flowering size.

EPITHELANTHA

Most interesting small globular cacti from 1" to 3" tall with a myriad very tiny nipples and spines. The pinkish flowers are followed by a crown of brilliant red, erect fruits. Sunny position. Those listed are varieties of *E. micromeris* but distinct.

<i>Epithelantha fungifera</i>	75c
<i>E. greggii</i>	\$1
<i>E. longicaulis</i>	75c
<i>E. multiplex</i>	75c
<i>E. tuberosa</i>	75c
<i>E. unguispinus</i>	75c

STENOCACTUS

Permanent Wave Cacti. *Stenocactus* mixed species. **75c**

STAR CACTUS

Every collection should have the handsome *Astrophytum ornatum*. An old favorite of easy culture. It is beautifully dotted with a myriad snowflakes. Even the tiniest plants are perfect miniatures of the largest ones. Has large, lemon yellow flowers. Grows freely in a sunny location or with some shade. 4 years old **\$1**. Small plants 35c. Nice 2 year old. **50c**



ARIOCARPUS

Thornless Mexican plants bearing hard tubercles and white or violet pink blossoms. Rare show plants. All our plants are mature flowering specimens. Extremely slow growing. Pot in sand with some leafmold added. Need a sunny airy location, watering only when quite dry.

Ariocarpus fissuratus. Mexican Living Rock. See color plate page 29.

Ariocarpus furfuraceus. A fine large species, silver-green in color with large tubercles set in much wool. Large flowering imports **\$2.25**

A. kotschoubeyanus. Handsome, olive green species with flat-topped tubercles, bright violet rose flowers. Mature specimens. **\$1.25**

A. maddowellii. The smallest species. Handsome violet pink blossoms. **\$1.25**

A. retusus. The largest, with grey-green tubercles. Pale pink. Splendid specimen plant. Each **\$2.50**

A. scapharostrus. Long grey tubercles. Very slow growing **\$2**

A. trigonus. A large species with long, triangular tubercles. Plants may reach 8" in diameter. Each **\$2.50**

CACTUS AND SUCCULENTS AND HOW TO GROW THEM

68 page booklet on the culture of both Cacti and Succulents. Plain information on the care of your plants. **50c**



LOBIVIA LARABEI

A free flowering unique species I found in Peru in 1948. Flowers large, bright red with white throat. Small plants will flower. Freely branches. Rich soil, sunny location. Moderate watering. Nice. **40c**



FISHHOOK BARREL CACTUS

Well known to collectors *Ferocactus latispinus* is one of the best varieties for a specimen. The central spine is broad, strongly hooked and generally red in color. Our plants are fully ribbed and have an abundant root system. They are 3" in diameter and several years old. **\$2** Fine specimens each.

MELOCACTUS

The Turk's Caps are one of the most striking of all cacti. After the plant reaches maturity it bears a red, fez-like flowering cephalum on top which grows longer yearly. It takes several years before the cephalum appears. They like a rich but very porous soil, a warm sunny position, moderate watering.

Melocactus maxonii. A fine species from Guatemala. Nice **\$1**

M. townsendianus. From Peru Nice **\$1**

M. melocactoides. From Salvador, Brazil. 1 1/2-2" **\$1.50**



PELECYPORA ASELLIFORMIS

Extremely rare plants related to *Mamillaria*. Have large bright purple-pink apical blossoms. Sunny window and very sandy soil or sand and leafmold. Mature flowering imports **\$1.25**

Pelecypora valdeziana. A rare species, white spined and smaller than the above. Mature imports **\$1.50**

LEUCHTENBERGIA PRINCIPIS

A curious cactus with very long grey blue tubercles. It looks more like an agave than a true cactus. Flowers 3"-4" wide yellow in color, fragrant and lasting about a week. The flowers and the areoles are borne on the ends of the tubercles the yellow spines being papery in texture. The plant develops a trunk with age. It comes from the very dry desert mountains of Mexico. Large 6 year **\$1** 1.50. Smaller...



ECHINOCEREUS

The flowers of *Echinocereus* are large and brightly colored red, purple pink, yellow. Solitary or finger-clustered plants 4"-12" tall. Some are winter hardy. Rich porous soil, sunny location, moderate watering.

Echinocereus albispinosus. Long white spines. Large pink flowers. Oklahoma species. **50c**

E. amoenus. Rare **75c**

E. baileyi. Pink spines. Large pink blossoms **75c**

Very free flowering **50c**

E. chloranthus. Red and yellow spines. **75c**

E. delaetii. Old Woman. Photo page 36 **40c**

E. fendleri. Pink. Hardy. Small. **40c**

E. maritimus. Yellow flowers. **50c**

E. nocturniflorus. Tubular salmon pink. **50c**

E. pectinatus. Pink flowers. **75c**

E. papillosus. Yellow flowers. **60c**

E. pensilis. Red. Rare. To 3 ft. **\$1**

E. polyacanthus. Red flowers. **75c**

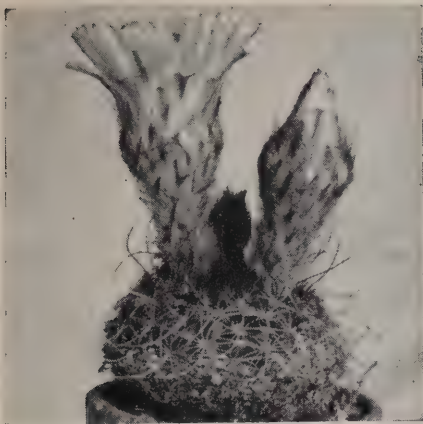
E. reichenbachii. Pink flowers. **50c**

E. subterraneus. Pink flowers. Rare. **50c**



LOBIVIA PAUCARTAMBENSIS

A very bright crimson flowered new species. Flowers large, and produced from spring to November. Plants small up to 1 1/2" in diameter forming clusters. The offsets freely produced rooting while still attached to the mother. It flowered longer with me than any other species even in quite cold weather. Give it generous treatment and a rich porous soil. I found it on a barren hillside in grass at 12,000 feet elevation near Paucartambo, Peru. Each **50c**



SUN CUPS

Cheerful yellow blossoms in April and May. *Notocactus tabularis* bears flexible harmless spines on low ribs. A very easy plant to grow and flower. The plant reaches 2-3" in diameter and 2" high the blossoms coming from the young areoles in spring. Native of Uruguay. It has a vigorous root system and likes a rich, porous soil sunny location. Moderate watering. Nice..... **40c**

ECHINOCACTUS

The true Barrel Cacti from Mexico. Some reach gigantic size up to 6' tall and 6' in circumference. They bear many ribs and have strong curved spines. Young plants bear nipples which gradually coalesce into ribs with age. Stems often blue. Give them a porous soil and full sun. Most will stand at least 20° above.

- Echinocactus grandis*. A huge species..... **75c**
- E. grusonii*. See page 36.
- E. ingens*. A giant species to 6'. At first powder blue in color. A fine plant. 2½"-3" each 75c. Smaller..... **50c**
- E. palmeri*. Another giant species with bright blue stems..... **75c**

FEROCACTUS

Splendid Barrel Cacti often reaching large size. Many have brightly colored spines. Culture as for *Echinocactus*.

- Ferocactus acanthodes*. Fire Barrel..... **50c**
- F. coloratus*..... **50c**
- F. covillei*..... **50c**
- F. diguetii*. The largest species. 4"..... **\$4.00**
- F. gracilis*..... **50c**
- F. herrerae*..... **50c**
- F. horridus*..... **50c**
- F. latispinus*..... **50c**
- F. melocactiformis*..... **50c**
- F. rectispinus*. Longest spined cactus..... **50c**
- F. robustus*. Cluster forming..... **50c**
- F. tortulospinus*. Colorful yellow and red..... **50c**
- F. viridescens*. California species..... **75c**
- F. visnaga*. Toothpick Barrel..... **50c**



CRIMSON PARODIA

Parodia sanguiniflora

Scintillating carmine or ruby-red blossoms in spring and early summer. A most lovely flower. Blossoms easily in sun or part shade even when small. Fine for the beginner. Give them a rich open soil and moderate watering. **50c**
2 years.....

ISLAYA

A small group of conical, ribbed cacti found in Peru. They grow generally on the pampas or rolling plains where it never rains but where it is often foggy. Some also grow in the mountains in quite different conditions but depend mostly upon wet fogs for their moisture. Flowers yellow or red and they are free blooming. Give them a sunny location, rich porous soil and very moderate watering.

Islaya minor. Rare. Pretty species..... **\$1**

MATUCANA

Conical, ribbed cacti from the Andes of Peru. Bristly white spines and long tubed red blossoms. Several new species have lately been found. They grow at high elevations 6 to 14 thousand feet. Require same treatment as *Islaya*.

Matucana violaciflora. From 14,000' elevation, Nice..... **\$1.50**

GYMNOCACTUS

Small, nipped cacti with pretty pink or white blossoms. Seldom seen in collections. Well worth the collectors attention. Culture as for *Notocactus*.

- Gymnocactus gielsdorfianus*. Pretty 1" to 2" plant with woolly top. Flowers white..... **75c**
- G. saueri*. Small species. Quite rare..... **\$1**
- G. saussieri*. Handsome wine-red blossoms. Plant to 6". Imports..... **\$1.25**
- G. subterraneus*. A very tiny plant with tuberous roots joined to the plant by a thin stem. Flowers white. Very rare import..... **\$2**



FLAME CACTUS

Pyrrhocactus tuberosulatus has dark flame red flowers in late spring. It is a very spiny plant with low ribs the curved spines intricately interlaced. It likes a very sunny location, porous soil and moderate watering. It appreciates cactus food in summer. Nice **50c**
3 year old plants.....



AN ENGLISH COLLECTION

Mr. E. Jackson of Bradford, Yorks., has about 500 varieties which thrive in his greenhouse. Our English friends are fine growers and have excellent collections. Owing to their cool summers they cannot put their plants out of doors for long.

SOEHRENSIA

Large, globular, ribbed plants with handsome red or orange blossoms. Easily grown, strong rooted plants which flower freely after reaching flowering size.

- Soehrensia bruchii*. Large red flowers. Specimens 6" across \$6. Smaller..... **75c**
- S. formosa*. Burnt orange flowers..... **\$1**
- S. korethroides*. Ruby red blossoms. \$1.25. Smaller..... **75c**



SNOWY PARODIA

A very rare and handsome cactus, *Parodia nivosa*, from the Andes of Argentina. The spines are snowy white and thickly set. In age there are so many the plant body cannot be seen. The plant is globose and generally does not branch. The lovely flowers are brilliant red and like most *Parodias* are freely borne. They appear in late spring. It has been wanting in American collections for many years. Give it a rich, porous soil, full sun and moderate watering. 1½" each..... **75c**

GYMNOCALYCUM

CHIN CACTUS

The Chin Cacti are particularly good for the beginner as they flower freely and require no experienced care. Many bloom over the entire spring and summer. They like a rich but porous soil and moderate waterings, doing well in sun or part shade.

- G. andraea*. A pretty species with blackish blue body, yellow flowers..... **50c**
- G. anisitsii*. Large white flowers..... **50c**
- G. baldianum*. Rainbow chin. Lovely colorful species..... **50c**
- G. bodenbenderianum*. Pale flesh color..... **50c**
- G. bruchii*. Handsome pink..... **50c**
- G. deesianum*. Handsome white flowered, large growing species..... **75c**
- G. denudatum*. Fine, almost spineless..... **75c**
- G. gibbosum*. A fine heavily tuberous species. Flowers white. Flowering size..... **50c**
- G. gibbosum ferox*..... **50c**
- G. gib. schlumbergeri*. Coppery body. Distinct variety. Flowering \$1..... **50c**
- G. hyptiacanthum*. Yellow flowers. \$1 and **50c**
- G. joosensianum*. Pink. Rare. Large..... **\$1**
- G. leeanum*. Yellow Chin. Yellow flowers \$1 and..... **50c**
- G. leptanthum*. Pink Pearl Chin. Pink..... **50c**
- G. megalothelos*. Large species. White..... **75c**
- G. mihanovichii*. Striped Chin..... **75c**
- G. monvillei*. Large white flowers. Handsome, strong yellow recurved spines. Large \$1. Small..... **50c**
- G. mostii*. Fine large species. Flowers white, Small 50c. 2"..... **\$1**
- G. multiflorum*. Handsome white flowers. Large..... **\$1.25**
- G. occultum*. Flesh pink. Large plants..... **\$1.25**
- G. ourselianum*. Oursel's Chin. White or pink. 75c..... **50c**
- G. quehlianum*. Dwarf Chin. Pale pink. Fine!..... **50c**

NOTOCACTUS MAMMULOSUS

This favorite has handsome, bright yellow blossoms. Surprisingly floriferous and easily grown. Native of Uruguay. Likes a good porous loam, moderate to generous watering and flowers best in a sunny location. Stands considerable cold. It will repay you for your trouble. Large **5 years old flowering**, in bud in early spring **\$1**. Small **35c**. Larger..... **50c**





RAINBOW CACTUS

Echinocereus melanocentrus is almost always in bud when we ship it in the spring. It often flowers when only an inch tall but may grow to 3" blossoms always larger than the plants. Of the easiest culture liking a sunny window. From Oklahoma. **50c**
Hardy. Small **35c**. Large.....

ECHINOMASTUS

Mexican and S. Western cacti from very dry regions and generally heavily spined. Plants conical, the ribs tubercled. Grow in a very sandy compost, full sun very moderate watering. All offered are imported mature Mexican plants.

Echinomastus chihuahuensis. Imported**\$1.50**

E. durangensis. Imported. **\$1.50**

E. mcdowellii. Handsome white spined species.....**\$2**

E. mapemensis. Imported. **\$1.50**

OROYA

Handsomeness plants with bright yellow or red spines from the high Andes of Peru. Ribbed and tubercled, globose plants. Give them a sunny location, rich porous soil and moderate waterings.

Oroya lutea. Handsome bright yellow spines. 4 years. **\$2**



NOTOCACTUS PAMPEANUS

Bright golden yellow blossoms in late spring. Easily grown and flowered. Thrives in a sunny window liking a rich porous soil and moderate amounts of water. Native of Uruguay. Flowering 6 year old specimens **\$1.25**. Small **35c**. Small flowering size.....**50c**



PINK EASTER LILY

A free flowering, quick growing cactus winter hardy if well protected by snow. *Echinopsis multiplex* bears 6" lovely Easter Lily-like pink trumpets. Will flower several times during late spring and summer. Remove offsets as they appear to keep flowering vigor. Sun or part shade, rich soil and generous watering. Flowering size **75c**. Small **35c**. Nice.....**50c**



GOLDEN BALL

A handsome plant with glittering golden harmless bristles. *Notocactus leninghausii* does well for everyone. The yellow blossoms are cheerful in late spring. A rich porous soil moderate to generous watering, sunny window. 2-3" specimens **\$1**. Small **35c**. 3 year old.....**50c**

NOTOCACTUS

BALL CACTI

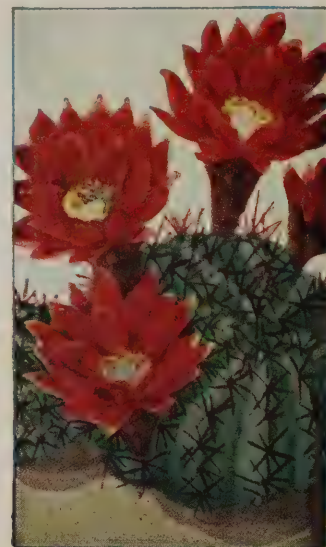
Some of the most fascinating and lovely cacti are in this group. The beginner is at home with them for they will grow under varied conditions and flower quite freely. They make fine, long-lived specimen plants. None grow too large for the small collection. Give them a rich, porous soil and during the spring and summer sufficient water and cactus food to keep them plump and growing. They bloom in late spring.

Notocactus apricus. **SUN CUPS**. Large yellow blossoms. Large 5 years old, **\$1.50**. Smaller **35c** and.....**50c**
N. caespitosus. Rare species. Flowering size.....**50c**
N. concinnus. Rare species. Flowering.....**50c**
N. floricomus. Rare species. Flowering.....**50c**
N. floricomus velanovskii. Flowering specimens, **\$1.25**
N. graessneri. **YELLOW BALL**. Handsome clear yellow spines. Small **35c-50c**. Larger.....**75c**
N. grossei. Large species. Small **50c**. Larger.....**75c**
N. hasselbergii stellatus. New.....**\$1**
N. leninghausii. Color plate page 28
N. linckii. Yellow flowers.....**50c**
N. muricatus. Scarce. Large **\$1.25**.....**75c**
N. ottonis. **INDIAN HEAD**. Color plate 36.
N. ottonis longispinus.....**75c**
N. rutilans. **PINK BALL**. Pink flowers.....**50c**
N. schumannianus. **GIANT BALL**. Large 2"-3" **\$1**. Small.....**50c**
N. scopa. Silver Ball.....**50c**



RED CROWN CACTUS

So easily grown flowering for everyone. During spring buds and flowers keep forming the season extending over weeks. *Rebutia minuscula* is one of my favorites. Soon forms a colony, small plantlets clustering about the mother flower also. Thrives in a well lighted window. Small **35c**. Large beautiful 4 year old clusters **\$1.25**. Nice flowering size.....**50c**



WALLFLOWER CROWN

A charming plant *Rebutia pseudodeminuta* has dark red flowers in the spring. Easy to grow and soon branch into clusters. A light window or full sun. Moderate watering. Small **35c**. Nice.....**50c**



THE CRESTED HEDGE HOG

Echinopsis multiplex cristata

Crested cacti are the beauties and curiosities of the plant world. As you may see they do not look at all like ordinary cacti but assume a curious ruffled growth bending and curving into beautiful fluted piles. Same care as Pink Easter Lily. This is a rare plant. Nice bright crest on their own roots. Special.....**\$1.50**



SCARLET CROWN CACTUS

2/5 Natural size

Rebutia grandiflora is the largest flowered of the Crown Cacti. Its blossoms very freely in the spring over a period of several weeks, new buds appearing as the old flowers fade. It thrives in a sunny or partly shady window. Give it a rich but porous soil watering when dry but not keeping it wet. 3 year old flowering 75c. **50c**
Nice flowering.

NEOPORTERIA

Many commence their flowering season in November and continue until January. Their charming bright red-pink flowers are particularly welcome at this time. Others are spring flowering. Conical ribbed plants from 2" to 8" tall native to Chile. Give them a rich porous soil moderate watering and a sunny position.

N. acutissima. A spiny species with pink blossoms. Nice plants. **75c**

N. atrispinosa. A curious species with almost black hair-like spines much stiffer, longer and incurving near the apex. Flowering from November on. Dark pink. Each. **\$1.25**

N. atrispinosa x napina. Charming free flowering pink hybrids. Early spring flowering. Large **\$1.25**

N. castanioides. Fall blooming, pink flowers **\$1**

N. fusca. Dark colored plants with large pale yellow or pinkish flowers. Flowering size. **75c**

N. heteracantha. Deep pink blossoms in the fall **75c**

N. mamillarioides. Light pink flowers. 2" **75c**

N. napina. Cuttings for grafting. **75c**

N. nidus. Photo page 30.

N. nigricans. Almost black plant. Flowers large reddish yellow **75c**

N. reichei. Curious fat green plant with minute spines yellow flowers. Cuttings for grafting **75c**

N. subgibbosa. Pink blossoms in fall. **75c**



DAM'S CHIN CACTUS

I recommend this to everyone. The charming white blossoms are tinged with pink. It commences flowering in the spring and continues for months. *Gymnocalycium dammsii* thrives in any well lighted or sunny window. Accepting neglect or overwatering and still growing well and flowering. Large specimens 4 years **\$1.** **50c**
Small **35c.** Nice flowering plants.

MALACOCARPUS

These fine vigorous cacti are native to Argentina, Brazil and Uruguay. They are simple, flattened globes, woolly at the apex and with sharp ribs. The blossoms are large, bright yellow. Give them a rich porous soil, sunny location moderate watering.

M. arechavaletai. Rare. Small plants only **75c**

M. corynodes **75c**

M. erinaceus. Large **\$1.50**

M. kovariicii. Flowering size. **\$1**

M. pauciareolatus. Large **\$1.**

Small **50c**

M. sellowii. Large **\$1.** Small **50c**

M. vorwerkianus. Small specimens from Colombia. **75c**

THELOCACTUS

Handsome flowering, conical plants from Texas and Mexico. Give them a porous sandy soil, a sunny location, moderate watering

T. bicolor var. tricolor. Specimens **\$1**

T. ehrenbergii **75c**

T. hexaedrophorus. Large **\$1.50**

T. lophothele. Large **\$1.50**

T. phymatothele. Large. **\$1.50**

T. porrectus **75c**

T. pottsi. Large. **\$1.25**

T. rectispinus **75c**

T. schwarzii. Large **\$1.25**

T. tulensis. Large. **\$1.25**



GOAT'S HORN

Astrophytum capricorne

Very large, golden yellow blossoms with red center. Free bloomer. Ribs with flexible papery spines. Plant dark green with white stellate hairs. Give it a porous soil and sunny location. Cactus Food during summer to promote growth. Nice 3 year old plants. **50c**

LOBIVIA

For the beginner these are a "must have" group. The flowers are beautiful in lovely shades of pink, red and yellow. They bloom incredibly freely when their simple wants are met. They like a sunny location and a rich porous soil. Native to the high mountains of South America they stand considerable cold and should be wintered in a cool place such as a basement near a window, or frost free room.

Lobivia allegraiana. Red flowered, clustering. **75c**

L. astranthema. Yellow flowered. **50c**

L. ayacuchensis. Large new species. **\$1**

L. backebergii. Red flowered. **75c**

L. binghamiana. Red. Clustering. **50c**

L. boliviensis. Red. Clustering. **75c**

L. calcensis. From Calca, Peru. **50c**

L. chrysochaete. Lovely yellow. **50c**

L. churinensis. Tubular red flowers. **50c**

L. cinnabarina. Large plant. 3-4" specimens. **\$1.50**

L. corbula. Orange red. From Juliaca. **50c**

L. cylindrica. Yellow flowers. **50c**

L. densispina. Large yellow flowers. 2-3" **\$1**

L. famatimensis nigricans. Almost black body. **75c**



MEXICAN LIVING ROCK

Ariocarpus fissuratus is an odd flat-topped cactus with leathery, furrowed tubercles. The lovely pink blossoms appear at the woolly apex in September. It grows well in clean sand to which some leafmold has been added. Place it in a sunny, airy location watering lightly only when dry. Grows exceedingly slowly. Established 2 to 3" each. **\$1**

Lobivia haageana. Handsome yellow. **50c**

L. hastifera. Rare **\$1**

L. hermanniana. Tall, caespitose. Red. **75c**

L. hertrichiana. Red flowered. **75c**

L. huascha. Yellow flowered. 4" **75c**

L. huascha rubra. Red flowers. **75c**

L. jajoiana. Claret red. **50c**

L. janseniana. Bright yellow. **\$1**

L. longiflora. Long red flowers. **50c**

L. longispina. Large with long up-curved spines **\$1**

L. muschii. Handsome pink. **50c**

L. nealeana. Red **50c**

L. neohaageana. Orange red. Nice. **75c**

L. orurensis. Red **50c**

L. pentlandii carminea. Red. \$1 and. **50c**

L. rebutioides. Red flowers. **50c**

L. raphidacantha. Red pink. **50c**

L. sanguiniflora. Red **\$1**

L. shaferi. Yellow **75c**

L. varians. Red and yellow. **75c**

L. walterspielii. Large red **\$1.50** and. **50c**

L. westii. Tubular red flowers. **75c**

L. wegheiana. Pink **\$1.**

BISHOP'S CAP

A popular spineless cactus for every collection and very easy to grow. *Astrophytum myriostigma* flowers freely all summer. Sunny location, moderate watering. Large 2-2½" 3 years **\$1.25.** Small **35c.** Nice plants. **50c**





CHILEAN OLD LADY

One of the handsomest of cacti Neoporteria senilis is native to Chile. Long curling white hair clothes the plants. The flowers are large, of a lovely pink color and very freely borne. Grafted on the White Torch it grows very rapidly often flowering the next spring. Give it a rich but porous soil watering only when dry. \$1
3 year old plants.

REBUTIA CROWN CACTI

On pages 28 and 29 are colored pictures of Crown Cacti. Those listed here are just as handsome but there is not room enough to feature all of them. The blossoms are bright and the plants differ among themselves considerably. Try them and you will be pleased. Give them a rich porous soil, moderate to generous waterings and a sunny position:

<i>Rebutia aureiflora</i> . Orange yellow.....	80c
<i>R. chrysacantha</i> . Red flowers.....	60c
<i>R. costata</i> . Red. Unique.....	75c
<i>R. dasyphrisa</i> . Handsome, red.....	75c
<i>R. digitiformis</i> . Clustering. Red.....	75c
<i>R. duursmaiana</i> . Very rare.....	\$1
<i>R. elegans</i> . Dark red.....	50c
<i>R. fiebrigii</i> . Vigorous. Deep red.....	75c
<i>R. grandiflora</i> . Color plate page 29.	
<i>R. krainziana</i> . Dark red. Distinct.....	75c
<i>R. kupperiana</i> . Vivid red.....	75c
<i>R. Lemon Queen</i> . Lemon yellow flowers. A form of <i>R. chrysacantha</i>	75c
<i>R. nigricans</i> . Clustering. Red.....	75c
<i>R. pseudodeminuta</i> . Color page 28.	
<i>R. pseudodeminuta</i> var. <i>schumanniana</i> . Vigorous with dark red flowers.....	75c
<i>R. pseudominuscula</i> . Deepest red.....	75c
<i>R. pygmaea</i> . Finger-like stems.....	75c
<i>R. ritteri</i> . Fat, clustering.....	75c
<i>R. rubelliflora</i> . Orange red.....	\$1
<i>R. rubriflora</i> . Bright red.....	\$1
<i>R. senilis</i> . Red.....	75c
<i>R. senilis iseliana</i>	75c
<i>R. senilis kesselringiana</i>	75c
<i>R. senilis lilacino-rosea</i> . Lilac pink.....	75c
<i>R. spegazziniana</i> . Red.....	75c
<i>R. steinbachii</i> . Handsome rare species with brilliant violet red flowers.....	75c
<i>R. steinmanni</i> . Finger clusters.....	75c
<i>R. violaciflora</i> . Color plate page 25.	

GIANT CHIN CACTUS

The largest of the Chin Cacti. Gymnocalycium saglionis may reach 15" in diameter. The chins or tubercles are large and prominent crowned with recurved black spines. The flowers are very short-tubed, soft pink in color. A handsome plant easily grown making a fine show specimen. Small 50c. 2"-3" 4 years. \$1



ECHINOPSIS

Easter Lily Cacti

Favorites because they flower for everyone and the blossoms are large and colorful. Vigorous rooted plants fine for pot culture or for planting out where temperatures don't get below 24° above zero. Give them a rich porous soil a sunny location and moderate waterings.

<i>Echinopsis ancistrophora</i> . Photo page 36.	
<i>E. apiculata</i> . Large white.....	75c
<i>E. calochlora</i> . Handsome green plant.....	50c
<i>E. cordobensis</i> . Strong spined handsome plant. White. Fine specimens 3".....	\$1.25.
Smaller.....	50c
<i>E. derenbergii</i> . Vigorous fine plant. White to pink blossoms. Spiny. \$1.25. Small.....	50c
<i>E. eyriesii rosea</i> . True. Handsome huge pink blossoms. Nice 1 1/2".....	75c
<i>E. fiebrigii</i> . Unique large grower. White.....	75c
<i>E. grandiflora</i> . Lovely deep pink.....	\$1.50.
<i>E. hamatacantha</i> . Very free flowering mountain species. White. Large flowering specimens \$1.25 others.....	75c and 50c
<i>E. Heavenly Twins</i> . Twinned flowers.....	50c
<i>E. Johnson's Hybrid</i> . Grand pink flowers!.....	50c and \$1
<i>E. leucantha</i> . Strong grower. Nice plants 2".....	75c. Small.....
<i>E. leucorhodantha</i> . Small. Very free flowering. Lovely mountain species.....	50c
<i>E. nigra hybrids</i> . Lovely pink.....	75c
<i>E. obrepanda</i> . Strong spined. Specimens 1 1/2"-2".....	75c. Small.....



RAINBOW CHIN CACTUS

The colorful Gymnocalycium baldianum (G. venturianum) varies from pale pink through various shades of red to brilliant ruby red. They are quite free in flower and are found in bloom all spring and early summer. Small 35c. 4 years old \$1. Nice flowering. 50c



OURSSELF'S CHIN

A vigorous plant reaching 3 inches in diameter. Flowers white, sometimes pink quite large and opening widely. Most attractive. Gymnocalycium oursellianum. Nice small specimens 2" each 75c. Smaller..... 50c



RED PARAMOUNT

Blossoms vary in intensity of coloring at different seasons from orange to bright red. A vigorous, free flowering variety. The plant is dark green with short spines on the ribs. Flowers during late spring and summer. Fine variety. Plants..... \$1.25

<i>Echinopsis polyancistra</i> . Huge white flowers.....	75c
<i>E. ritteri</i> . Huge species large flowers.....	50c
<i>E. smrziana</i> . Clustering. White. Nice.....	\$1
<i>E. spiniflora</i> . Very spiny. White.....	75c
<i>E. sylvestrii</i> . White.....	75c
<i>E. tubiflora</i> . New Argentine import.....	75c
<i>E. tucumanensis</i> . Clustering.....	75c

COCHEMIEA

A fine group with scarlet flowers, clustered, tubercled stems.

Cochemia poselgeri. Stems 12" long the tubercles with hooked spine. Rare plant. Rich porous compost, sunny location, moderate watering. 3"-5"..... \$1



CHILEAN PINK BARREL

Bright pink blossoms appearing from February to May. Neoporteria subgibbosa is a spiny cactus for the connoisseur growing to a foot tall. Many flowers are produced in succession of a most lively color. Quite easy to grow enjoying full sun, moderate watering. Small specimens \$1. Nice..... 50c

PARODIA

Handsome group from the Andes of Argentina and Bolivia. These bright flowered plants are easily flowered. Rich porous soil, sunny location, moderate watering.

<i>Parodia chrysacanthion</i> . Lovely.....	50c
<i>P. catamarcanis</i> . Rare, Argentina.....	75c
<i>P. maasilii</i> . Hooked reddish spines.....	75c
<i>P. mutabilis</i> . Yellow flowers.....	50c

WEINGARTIA

Fine plants with tubercled ribs. Flowers are deep golden yellow. Enjoy a rich but porous soil, sunny location, moderate watering.

Weingartia cumingii. Handsome globular plant bearing rich cadmium yellow flowers in abundance. Stands much cold. Bolivia. Large \$2. Small 75c.



PARAMOUNT HYBRIDS

THESE bright blossoming cacti flower much more freely for the beginner than some of the well known older species. They are very strong rooted having hybrid vigor. The colors range from pink through various shades of shrimp and salmon to brilliant red, tangerine, strawberry pink, golden yellow a kaleidoscope of color. The flowers of the Monarch type are 6" to 8" long and extremely freely borne.

Culture. They do best in a rather rich loam soil with moderate to generous waterings particularly in summer when growing. Give full sun.

Orange Paramount. See photo below.

Red Paramount. Opposite page.

Tangerine. Brilliant tangerine. A vivid, lovely flower 5"-6". Plant strong with dark spines. Stock limited.....

Fluffy Ruffles. Ruffled 6" flowers flushed glowing orange. Free flowering vigorous.....

Sunset. Red with violet overlay the petals with pale yellow central stripe. 6" blossoms.....

Salmon Queen. Rich salmon pink 6" flowers. Very vigorous grower.....

Orange Glory. Brilliant glowing orange. Flowers short tubed 2 1/2" in diameter. Stock very limited.....

Dainty Bess. A small, freely flowering variety with red blossoms. Stock limited.....

Peach Monarch. Sold out for this year.

Red Pygmy. Pretty red blossoms very freely borne.....

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PARAMOUNT ASSORTMENT COLLECTION F12

3 assorted Paramount Hybrid seedlings of good quality that flowered in 1957. Choice colors assorted. Strong plants, 3 for.....

\$2



GIANT EASTER LILY CACTUS

Echinopsis ritteri bears 8" snowy-white blossoms several times during spring and early summer. Plant may reach 8" or more in diameter and 12" tall. A vigorous grower liking a rich soil. Flowers best in full sun. Nice small plants.....

50c



SETIECHINOPSIS MIRABILIS

The 'Flor de Oracion' of Argentina. An interesting small plant 2" to 3" tall and the thickness of your finger. Almost black in color. The very tall, slender, white flowers open in the evening. Blossoms freely. Flowering size each.....

50c



LOBIVIA LATERITIA

Large red blossoms borne in spring. Plants caespitose with low ribs. Flowers very freely. An easily grown variety suitable for the beginner. Rich porous loam, moderate to generous watering, sunny, location. Nice.....

75c



TEXAS COLLECTION

Texas has many nice cactus collections and several new Cactus Clubs have joined with our National Society. The collection shown here is that of Mrs. Jess Wallace of Henderson. This is only a part of those assembled in 3 years.

HAMATOCACTUS

Pretty Texas plants that flower very freely. They are conical, ribbed plants with hooked spines and yellow flowers.

Hamatocactus hamatacanthus. A large species reaching 12 inches in height. A fine specimen plant with large yellow blossoms. Central spine long, hooked. Each.....

50c

H. setispinus. Color plate page 24.



ECHINOPSIS LOS ANGELES

A fine variety introduced by us several years ago and familiar now to many of our customers. The plants become stout and large, deep green in color, practically spineless. They flower incredibly freely the blossoms 8" long and of a lovely pink shade. They are very hardy taking temperatures of 15° above. Give them a rich loam soil and if potted shift them into larger pots as necessary. Full sunlight, moderate watering. Each.....

75c



PINK BALL CACTUS

The only Notocactus with pink blossoms. A truly lovely plant which blossoms for everyone. Flowers 1 1/2" in diameter bright pink with a yellow throat the petals like satin. Charming. It likes a good rich, well drained soil and a sunny location, moderate to generous watering. Notocactus rutilans 3 year blooming size.....

50c

ORANGE PARAMOUNT

Extremely free flowering variety with lovely orange yellow blossoms. A pretty deep green plant almost spineless. Flowers well even when young. Give it a rich loam soil repotting as necessary, watering generously during the summer. Likes full sun. Small.....

\$1.25





CEREUS and Its Allies

A NOBLE and greatly diversified group of cacti distributed over the warmer parts of North and South America. They may be finger-sized plants to great trees up to 64' tall weighing many tons; or they may be slender climbers opening their huge white chalice to the tropic moon. The tree-like forms as the Sahuaro give a distinctive atmosphere to western deserts. Mexico, Central and South America all have their characteristic kinds. The flowers are often large, mostly night flowering to attract the moths which pollinate them. In South America I have seen humming birds flitting from flower to flower in the grey light of early dawn and along the Amazon the parrots grow fat eating the green fruits.

PENIOCEREUS

Very handsome night blooming cerei the large white flowers very fragrant. Root tuberous weighing up to 50 pounds.

Peniocereus greggii.
Nice 2"-3".....75c
P. johnstonii. Rare.
\$2.50



PAPER SPINED OPUNTIA

An odd cactus from Argentina. *Tephrocactus glomeratus* bears paper ribands instead of spines! The joints come apart easily and each will root if planted in sand in a very sunny location. Give moderate waterings in summer, less in winter. Each.....35c



SCARLET BUGLER

You will want this handsome flowered small cereus as it flowers all summer long. Brilliant scarlet tubular blossoms. *Cleistocactus baumannii* likes a good loam soil, moderate to generous waterings. Nice.....50c

HEDGE HOG CEREUS

A particularly beautiful flowered cactus from Texas. *Echinocereus pentalophus* has short, spiny, finger-like stems forming clusters. The 4" brilliantly colored blossoms are far larger and brighter than the illustration shows. Each 50c and.....35c

ARTHROCEREUS

Small cereus with long-tubed white or pink nocturnal flowers.

Arthrocerus microsphaericus. Many jointed.

A. rondonianus. Slender. Flowers pink..\$1.50

ACANTHOCEREUS

Spiny partly climbing night flowering cereus.

Acanthocereus colombianus.....75c

A. horridus.....75c

A. pentagonus.....75c

ARMATOCEREUS

Spiny tree cerei from Peru.

Armatocereus armatus.....\$1

A. chalaensis.....\$1

A. matucanensis.....75c

A. mocupensis.....75c

A. nazcaensis.....\$1

A. solitarius.....\$1

PEANUT CACTUS

An old favorite *Chamaecereus sylvestrii* grows rapidly under almost any conditions. Soon forms a many branched cluster of small finger-like stems. The flowers are very bright. The branches are easy to root in summer and are nice gifts for friends. Rich porous soil, generous watering. Will grow in shade but flowers best in sun. Each.....40c



AZUREOCEREUS

Tall columnar cerei with bright blue stems.

Azureocereus ayacuchensis. To 8 feet.....\$1

A. imperialis. The handsomest of cacti..\$1.50

A. hertlingianus. To 20 feet.....\$3.50

WILCOXIA

Small Mexican cerei with very pretty blossoms. Small plants flower freely.

Wilcoxia australis. Pink. Grafted.....\$1

W. diguetii. (Neoevansia). Rare.....\$1

W. maculata.....75c

W. papillosa (senilis). Pink.....\$1

W. posegeri. Dark pink. Grafted.....\$1

W. schmollii. Grafted.....\$1

W. tamaulipensis. Grafted.....\$1

W. viperina. Red. Grafted.....\$1



AN INDIANA COLLECTION

Martin Hamlett of Peru, Indiana has a very nice collection of cacti. Most of his plants came from our nursery others he has traded with friends. A great part of the fun of collecting comes from the many friends one makes. Collectors generally enjoy sharing their experiences and writing to other fanciers.



VESUVIUS

New Peanut Cactus

A nice new variety with large deep red, frilly flowers. The stems are stouter and do not fall apart. Free flowering. Very easy to grow forming large clusters up to 12" This is a hybrid between Orange Glory and the Peanut cactus. Rich porous soil, sunny location. Each.....50c

BORZICACTUS

Andean cerei with tubular red blossoms. Plants 2'-5' tall, clustering or with short trunk.

Borzicactus sepium. Ecuador.....\$1.25

B. tessellatus. Peru. New.....\$2.00

B. fieldianus. Peru. Tall.....\$2.00

CEPHALOCEREUS

OLD MEN CACTI

Cephalocereus arrabidae.....75c

C. chrysacanthus. 6"-8".....\$1

C. glaucochrous.....75c

C. mescalaensis.....75c

C. nobilis.....75c

C. palmeri.....50c

C. polylophus.....\$1

C. royerii.....\$1

CULTURE OF CEREI

MOST of this group do very well under almost all average conditions. Their root systems are vigorous and if the plants are not too persistently overwatered they give a good account of themselves. They like the same type of soil as other cacti: a reasonably rich but quite porous compost or soil through which water drains quickly. Coarse, porous soils allow air to penetrate freely to the roots preventing rot. A good basic compost is 1 part crumbly loam, 1 part coarse sand, 1 part leaf-mold or peatmoss. This may be varied to suit your own requirements. Granulated charcoal is very useful as it perlite sometimes sold under the name of Spongerok. They can take the place of part of the sand with great benefit.



MOON CACTUS

Eriocereus

These are very free growing cacti and flower abundantly the large snowy blossoms opening in the evening and remaining open in the morning. Likes a rich loamy soil a sunny location and moderate watering. Should be trained to a stake. Native to Argentina. **50c**



RATTAIL CACTUS

Aporocactus flagelliformis is an old favorite. Beautiful large pink blossoms on pendent stems. Rich porous soil. **\$1**

CLEISTOCACTUS

A large group of small columnar or clustered cacti with tubular red blossoms from the Andes of S. America.

<i>Cleistocactus baumannii</i> . Scarlet Bugler.....	50c
<i>C. candilla</i> . New species.....	\$1
<i>C. dependens</i> . New.....	\$1
<i>C. herzogianus</i> . To 8'.....	75c
<i>C. luminosus</i> . Fiery red.....	75c
<i>C. luribayensis</i> . New.....	\$1
<i>C. morawetzianus</i> . To 8' tall.....	75c
<i>C. smaragdiferus</i> . Red and green.....	75c
<i>C. tariopensis</i> . New.....	\$1
<i>C. tupizensis</i> . Fine.....	50c

CORRYOCACTUS

<i>Corryocactus brevistylus</i>	\$1
<i>C. tristis</i>	\$1
<i>C. melanotrichus</i>	\$1

CEREUS

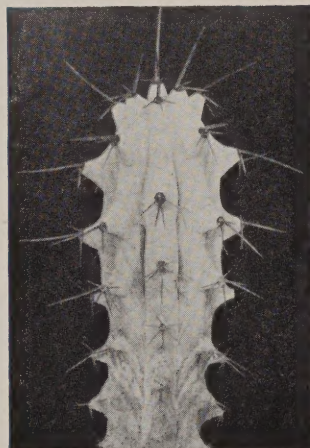
A large group of tree cerei some reaching 50' others are sprawling. Night flowering often with large edible fruits. They grow rapidly and make wonderful branched specimens. Stand 10° or more of frost.

<i>C. argentinensis</i> . To 35' 4"-6".....	50c
<i>C. azureus</i> . Bright blue stems. 6".....	\$1
<i>C. forbesii</i> . Very long spines.....	50c
<i>C. horridus</i> . Tall tree.....	50c
<i>C. horridus macrocarpus</i> . The finest edible fruited variety. Large, smooth red fruits up to 12 oz. Sweet, crisp white pulp.....	50c
<i>C. huntingtonianus</i> . Reddish flowers, purple fruit, crimson pulp!.....	50c
<i>C. lepidotus</i> . Tall tree.....	50c
<i>C. llanosii</i> . Small tree.....	50c



CEREUS MONSTRUOSUS

A strange and monstrous cactus attracting the attention of all who see it. They grow more upright than the Curiosity Plant and form most unusual specimens. As easy to grow as any cactus and never lose their peculiar manner of growth. **Plants \$1. 60c**



LEMAIREOCEREUS BENECKII

Rare white stemmed cactus. A white powdery bloom covers the stems. The rounded ribs bear raised areoles with black spines. Plant grows to 5', branching from the base. Flowers freely. **2 1/2"-3 1/2" 75c**

<i>Cereus obtusus</i> . Short sprawling stems.....	75c
<i>C. pernambucensis</i> . Short stems.....	75c
<i>C. vargasianus</i> . To 50'.....	\$1
<i>C. vabilis</i> . Woolly white areoles.....	75c
<i>C. xanthocarpus</i> . Tall tree.....	50c

SAMAIPATICEREUS

<i>Samaipaticereus bolivianus</i> . Slender erect cerei with white nocturnal flowers.....	\$1
<i>S. peruvianus</i> . A new species from east central Peru.....	\$1

BOLIVICEREUS

Bolivicereus samaipatanus. Slender small clustering cerei with 18" stems and yellow spines. Flowers extremely freely borne, red. **75c**



PRINCESS OF THE NIGHT

A glorious white and gold blossom 10" across. A fine night flowering cereus for the window garden. *Selenicereus pteranthus* can be readily flowered. Use a spongy, sandy loam soil or our Jungle Mix modified. Harden growth in later summer with sunshine and less water. **75c**



QUEEN OF THE NIGHT

An old favorite whose blossoms are so astoundingly large and ethereally beautiful your friends will be entranced when they see it. *Selenicereus macdonaldiae* is of the easiest culture. Give it a sunny location but protect from the hot midday sun. It likes a rich porous, spongy soil and in summer water well. Larger plants 12"-18" **50c**

\$1. Small.

CHAMAEACEREUS

There are several varieties of the Peanut Cactus now available.

<i>Chamaecereus jumbo</i> . A larger form.....	50c
<i>C. Flame</i> . Large red flowers. Forms nice clusters.....	50c
<i>C. giganteus</i> . Bears enormous water melon red flowers.....	\$1

EULYCHNIA

Chilean plants branching mostly from the base. Flowers white, diurnal. Plants very spiny.

Eulychnia castanea. An interesting species with ascending stems to 3 feet..... **75c**

E. iquiquensis. Much white wool at areoles. 6' to 20'. Keep on the dry side. Each..... **\$1.25**

MOON CACTI

ERIOCIEREUS

Tall climbing cerei with large nocturnal flowers. Easily grown, free flowering.

Eriocereus bonplandii. A glorious species with 6" white flowers. When well grown it is a tremendous bloomer. Large 6" to 8" plants from flowering specimens..... **\$1**

<i>E. martinii</i> . Large 5" flowers.....	75c
<i>E. guelichii</i> . Huge vine. Very large flowers. Immense bloomer.....	75c
<i>E. pomanensis</i> . Tall vine. Large white blossoms. Vigorous grower.....	75c
<i>E. regelii</i> . Pink Moon Cactus. Soft pink. Slender to 6' Fine!.....	75c
<i>E. tortuosus</i> . Spiny free flowering plant. Handsome scarlet fruits.....	75c

WHITE TORCH CACTUS

Beautiful, popular and exceedingly easy to grow. *Trichocereus spachianus* is a quick grower. Snowy blossoms 6" across. Branches freely from base forming nice colonies. Fine stock to graft on. Will stand 15° above. Small 2" **35c. 60c**





TRICHOCEREUS

A large flowered group of S. American cacti of easy culture and fast growth. Like a rich porous soil, sunny location.

<i>Trichocereus akersii</i> . Handsome white haired plants with salmon pink flowers.....	75c
<i>T. bridgesii</i> . Blue stems. 6" cuttings.....	\$1
<i>T. cuzcoensis</i> . Blue stems.....	75c
<i>T. fascicularis</i> . Tall, spiny. Peru.....	75c
<i>T. gladiatus</i> . Handsome clustered. Nice.....	50c
<i>T. huanucoensis</i> . Giant.....	50c
<i>T. infundibuliformis</i> . 15'. New.....	75c
<i>T. knuthianus</i> . 6" cuttings.....	\$2
<i>T. lamprochlorous</i> . Large flowered.....	\$1
<i>T. litoralis</i> . Branched.....	75c
<i>T. lucernatus</i> . New.....	\$1.50
<i>T. macrogonus</i> . Huge flowers. 6" cuts.....	\$2
<i>T. pachanoi</i> . Spineless. 6" cuts.....	\$1.50
<i>T. pasacana</i> . Large, columnar.....	50c
<i>T. poco</i> . Handsome red flowers.....	50c
<i>T. purpureopilous</i> . Creeping.....	50c
<i>T. santiaguensis</i> . Handsome blossoms.....	50c
<i>T. shaferi</i>	\$1
<i>T. thelogonus</i>	50c

CURIOSITY PLANT

These novel and attractive cacti never lose their odd contorted growth. They are always pretty with their harmless bright chestnut spines and living green stems. *Cereus peruvianus monstrosus* may with age reach 8 feet in height. In pots it remains dwarf. Our plants are all very monstrous. Large \$1.50. Specimens 4" \$1. Small 1"-1 1/2" 50c

ERDISIA

A group of slender 2'-3' tall *Cerei* from the highlands of Peru. The short-tubed brilliant red blossoms are lovely.

<i>Erdisia limitambensis</i>	\$1.25
<i>E. pericotensis</i> . Grafted.....	\$1.25
<i>E. tuberosa</i> . Grafted.....	\$1.25
<i>E. squarrosa</i>	\$1.00

ESPOSTOA

<i>Espostoa chilensis</i> . Pinkish hair.....	\$1
<i>E. huanucoensis</i> . Yellow. Large 6".....	\$1.50
<i>E. maranonensis</i> . Huge to 25'.....	\$1.50
<i>E. macupensis</i> . Reddish spines 7".....	\$1.50

WEBEROCEREUS

<i>Weberocereus biolleyi</i> . Small climber.....	50c
<i>W. trichotus</i> . Handsome climber.....	50c

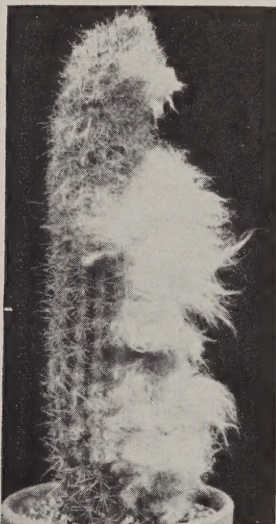
WERCKLEOCEREUS

<i>Werckleocereus glaber</i> . White flowers.....	75c
<i>W. fonduzii</i> . Large white flowers.....	\$1



PERUVIAN OLD MAN

Espostoa lanata is clothed in silky white floss. Of simple culture and quick in growth. 6" plants \$1. Smaller 2"-3" 40c



AT LEFT:

WOOLLY TORCH

A handsome Mexican tree cactus to 15'. Stems powdered blue in older plants. Masses of white silky hair produced on flowering branches. *Cephalocereus palmeri* grows rather quickly. Plants.....

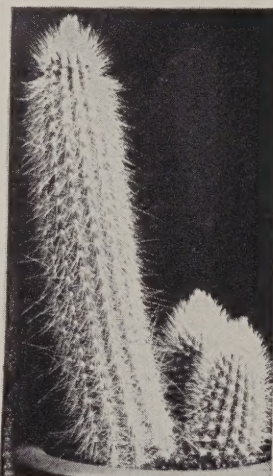
50c

AT RIGHT:

SILVER TORCH

Pretty fluted columns thickly clothed with silvery white, hair-like spines. *Cleistocactus strausii* branches freely from the base. The tubular red flowers are borne abundantly. Grows to 3 feet. Each 35c and.....

50c



OLD MAN CACTUS

The long snowy hair of the venerable *Cephalocereus senilis* makes it much sought after. No collection should be without it. Even tiny plants have the long hair. Native to Mexico. Give it a sunny location and a very porous soil watering only when dry. Each.....

50c



FRAGRANT NIGHT FLOWERING CEREUS

An old favorite with very beautiful creamy white blossoms of large size. *Nyctocereus serpentinus* is deliciously fragrant scenting the whole garden. Stems columnar, fluted. A handsome plant. Requires a rich soil and full sun. Give generous treatment repotting as needed. Each.....

50c

HAAGEOCEREUS

Peruvian cacti some creeping some forming clusters to 4'. Often golden spined. Flowers large.

<i>Haageocereus acanthus</i> 6"-7".....	\$1.25
<i>H. arenosa</i> . Red brown spines.....	75c
<i>H. chosicensis</i> . Tall.....	50c
<i>H. platinospinus</i> . Creeping.....	75c
<i>H. stellaspinus</i> . Tall.....	50c
<i>H. tomasiriensis</i> . Creeping.....	50c

HARRISIA

Bushy cacti with white nocturnal flowers. *Harrisia nashii*.....

50c

LOPHOCEREUS

Columnar, branching cerei with pink flowers.

<i>L. schottii</i> . Tall to 6'.....	50c
<i>L. schottii</i> . Totem Pole. Curious monstrous columns. Extremely popular plant always scarce 5"-7".....	\$2

MACHAEROCEREUS

Creeping or bushy cacti from Baja California. *Machaerocereus eruca*. Creeping Devil. Creeping stems to 10'. Certainly one of the oddest of all cacti. Lays flat on the ground rooting as it goes. 4"-5".....

\$2



SCARLET SEA CEREUS

A nice flowering cactus forming small clusters. *Martinocereus nanus* flowers persistently throughout the summer. The dainty blossoms are fiery scarlet 3" long 1 1/4" wide. I recommend it as an easily flowered plant for the beginner. Give it a rich loam soil, moderate watering and a sunny position. 2 year old beginning to cluster each.....

75c



OLD MAN OF THE MOUNTAIN

Oreocereus trollii is a splendid specimen plant. Thick, short columns densely clothed in white woolly hair the stout chestnut spines showing through. From high in the Andes of Bolivia. An easy to grow plant soon making a specimen. Rich porous soil sunny situation. **90c**
Small 1½" 50c. Large 3"-4"

OREOCEREUS

White haired columnar cerei from S. American Andes Mts.

Oreocereus trollii. *O. neocelsianus*. Above. *O. fossilatus*. Hairy white to 4'-6"-8" specimens **\$2.25**
O. hendricksonianus. Lovely. Small.....**75c**

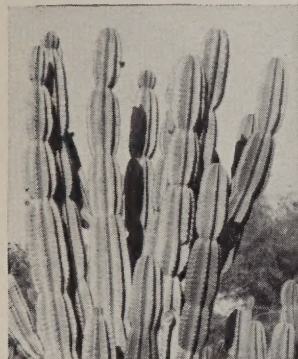
MORAWETZIA DOELZIANA

Small white hairy cereus with red-pink brilliant blossoms. 5"-6" **\$1**

LOXANTHOCEREUS

Pretty clustering cerei to 18". Flowers tubular, bright red, free flowering.

Loxanthocereus eriotrichus.....**\$1**
L. faustianus.....**\$1**



AT LEFT: FLOWERING TREE CEREUS

A free flowering tall plant large white lily-like blossoms and large red tomato-like edible fruits with crystalline sweet pulp. May be stored in frost free basement. Large 6"-7" **60c.** **40c**
Small.....

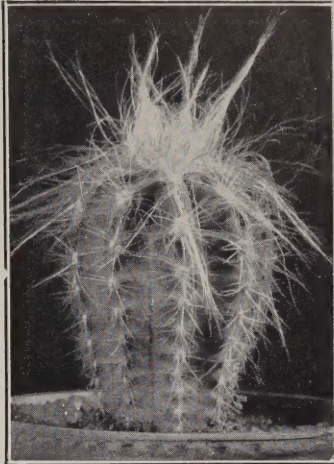
AT RIGHT: CEREUS MILESSIMUS

Fine tree cereus with snowy blossoms bright red tasty fruits. A quick growing pot plant. Large specimens may be 10' tall and much branched. Stands 10° of frost or more. 6"-7" **60c.** **40c**
Small.....



A MARYLAND CACTUS COLLECTION

Mrs. Lona Ellifritz of Vindex, Md. has over 100 kinds in her nice collection. She writes that her Starfish Flower was in bloom all winter and summer. Many of her other plants have flowered also. The tall Peruvian Apple Cactus at the left is now over 6'.



OLD MAN OF THE ANDES

Oreocereus neocelsianus is a stout-stemmed, white hairy cactus from 10,000' in the Andes. Handsome for specimens. Easily grown. Culture as in *Cereus*. **Stout small specimens 50c**
\$1.50. 3" 75c. Small 2"

HYLOCEREUS

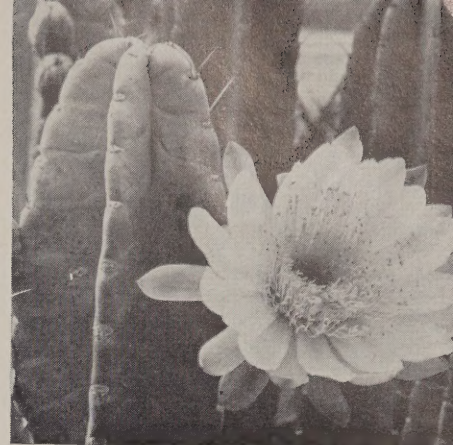
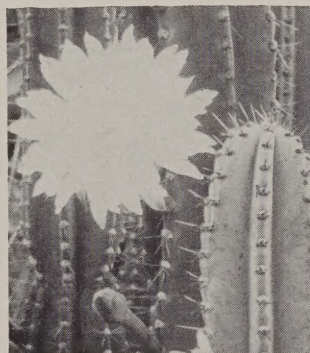
Huge flowered Night Blooming Cerei with triangular, climbing stems.

Hylocereus bronxensis.....**\$1.25**
H. calcaratus.....**\$1**
H. costaricensis.....**\$1**
H. extensis.....**75c**
H. guatemalensis.....**\$1**
H. ocamponis.....**\$1**
H. peruvianus.....**\$1**
H. stenopteris. Flowers bright red!.....**\$1.25**
H. undatus.....**\$1**

MEDIOCACTUS

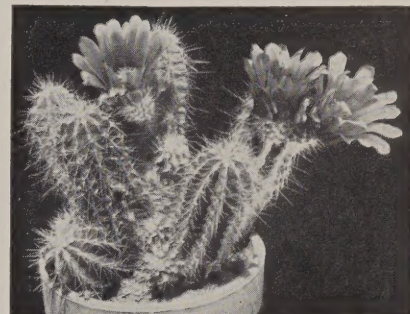
Tall, climbing Night Blooming Cerei, huge white blossoms.

Mediocactus coccineus.....**\$1**
M. megalanthus. Huge blossoms!.....**\$1**



DAYAM'S TREE CEREUS

One of the best fruiting and flowering kinds. Bears big tomato-like, half pound fruits which are quite fragrant and delicious, the pulp crystalline white and sweet. Tree-like in habit making a good pot plant. 6"-7" **60c.**
Cereus dayamii. Nice.....**40c**



ECHINOCEREUS CINERASCENS

Dazzling, wine-purple blossoms 3" across that last for a week. Clustering stems to 6" tall furnished with stiff white spines. A beautiful species of easy culture. Give them a rich loam soil and plenty of water in summer. Keep dry in winter allowing enough water to keep roots alive. Nice plants.....**50c**

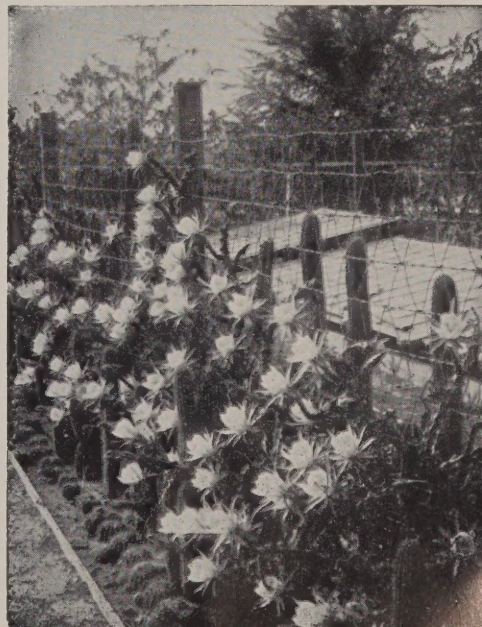
MONVILLEA

Pretty S. American cerei with large white nocturnal flowers.

Monvillea diffusa. Fine species.....**50c**
M. exaltata. New Peru. 18'.....**\$1**
M. mocupensis. New Peru.....**\$1**
M. pucuraensis. New.....**\$1**
M. spegazzinii. Marbled blue!.....**50c**

MOON CEREUS

Eriocereus martinii is a free flowering, scandent climber whose charming blossoms are borne at night. Bright red fruits are very attractive. Give it rich soil and a large pot as it is a vigorous grower. If given plenty of sun they flower freely. 6" rooted cuttings **50c**
from flowering plants **75c.** Small 3"-4".....



SELENICEREUS

Night Blooming Cerei with round stems and huge white flowers.

Selenicereus coniflorus. Spiny.....**75c**
S. donkelaarrii. Yucatan.....**75c**
S. hamatus.....**75c**
S. hondurensis.....**75c**
S. maxonii.....**75c**
S. murrillii.....**75c**
S. paraguayensis. New species.....**\$1**
S. spinulosus.....**75c**
S. urbanianus.....**\$1**
S. werklei.....**50c**

LEMAIREOCEREUS

Generally tall tree cereus branching from base.

Lemaireocereus beneckii. Photo page 33.
L. chichipe.....**75c**
L. dumortieri. 50c and.....**35c**
L. griseus. From Curacao.....**40c**
L. hollianus.....**50c**
L. littoralis.....**\$1.25**
L. martinezi. 10" to 12" specimens.....**\$5.00**
L. stellatus. 50c and.....**35c**
L. thurberi. 6"-8" specimens.....**\$1**
L. weberi. Huge species.....**75c**



ANGEL TRUMPETS

A pretty, small cactus, *Echinopsis spiniflora* bears many white blossoms. Plant bright green with long brown spines. Flowers nocturnal but remain open till late morning. Very porous soil, moderate watering. Sunny location. Nice.....

50c



GOLDEN BARREL

Bright yellow spines, *Echinocactus grusonii* is a very popular plant in large sizes. It takes several years to characterize. A rich but very porous soil, sunny location and moderate watering. Large plants from \$7.50 to \$35.00 F.O.B. Paramount. Nice golden plants 3"-3 1/2" each.....

\$2.50

MYRTILLOCACTUS

M. geometrizans. Blue stems.....

50c

M. grandiaerolatus. Rare.....

75c

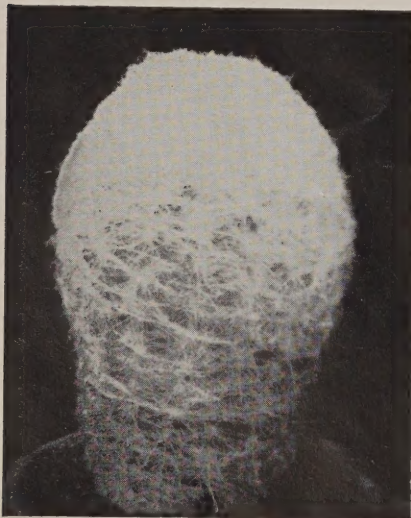
M. schenckii. Green stems.....

40c

THRIXANTHOCEREUS

T. blossfeldiorum. Handsome tall cereus with white beard-like pseudocephalum. Nice 5"-6".....

\$2.50



SNOWBALL CACTUS

A choice Peruvian cactus, *Pseudoespostoa melanostele*, grows in the dry valleys of the Andes. Snowy white and covered with a soft, cotton-like fleece it makes a superb specimen plant. Very slow growing. May reach 6' in height though generally less, branching at base. At flowering a copious rust red pseudocephalum is produced. Large 9 year old 6" perfect specimens \$1.50. Smaller 5 years.....

\$1



ROSE EASTER LILY CACTUS

Echinopsis grandiflora is one of the most beautiful and gracefully flowered. The 8" blossoms are of deepest pink each petal darker striped. A very handsome plant. Vigorous rooted, strong growing with very tiny, blunt spines. In summer feed well.

\$1



INDIAN HEAD

Notocactus ottonis has a long spring blooming period. The buds appear as cocoa-brown twists of wool which swell into glittering yellow blossoms. The red tipped stigma surrounded by minute yellow stamens which roll down when a bee lands in their midst. Easily grown. Small 35c. 2 years.....

50c



SUHUARO

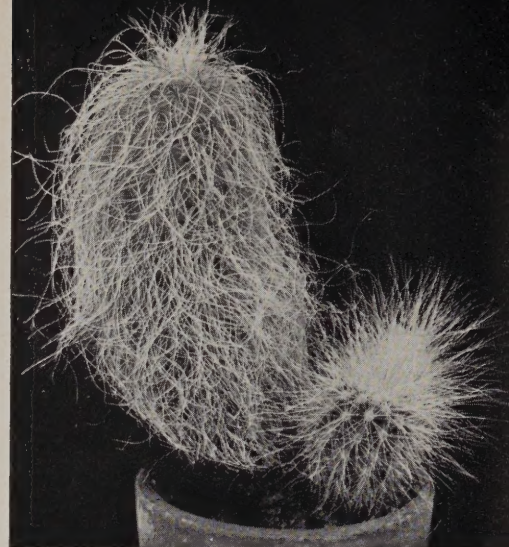
The Arizona Giant, *Carnegiea gigantea*, is one of the largest cacti. It may reach 40'. The very sweet red fruits as well as the seeds formed a part of the Indian's food. 6 year old, plants 4"-6" \$2. Small 1".....

40c

MEXICAN GIANT CEREUS

Pachycereus pringlei may reach 60' in height. 6"-7".....

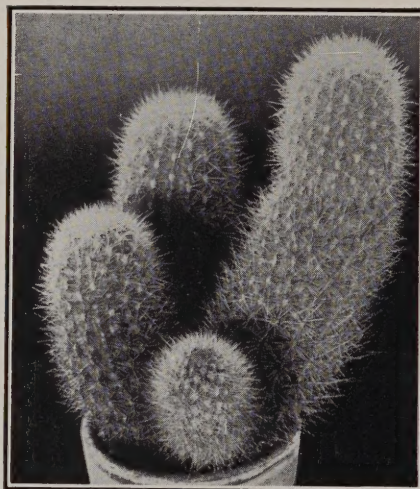
\$1.50



MEXICAN OLD WOMAN

A scarce, attractive cactus *Echinocereus delaetii* has long coarse white hair and large pink flowers. The plant branches from the base forming a cluster. Rich but very porous soil, sunny location very moderate watering. Imported plants.....

\$1.50



FOXTAIL

Haageocereus multangularis is a handsome cactus columnar and clustering from the base the spines golden or russet. Large white nocturnal blossoms. Nice 3-5" specimens.....

75c

PYGMAEOCEREUS

The tiniest cereus. In nature the plants are often 1/2" tall. Tuberous rooted. *P. akersii*. The smallest, 1"-2" 75c. *P. napsinus* \$1. *P. nycticalis* \$1. *P. vespertinus*. New sp. \$1.25.

ECHINOPSIS ANCISTROPHORA

A very free flowering plant. Does very well for the beginner flowering during spring the snowy blossoms 5"-6" long. Strong flowering plants \$1. Nice small flowering 2 years old.....

50c

